




The
Johns
Hopkins
University
Conferring
Of
Degrees
At
The
Close
Of
The
Ninety-ninth
Academic
Year
May 23, 1975
Keyser
Quadrangle
Homewood
Baltimore
Maryland



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ORDER OF PROCESSION

MARSHALS

JOHN BARTH
MILTON CUMMINGS JR.
HANS GOEDICKE
ARCHIE GOLDEN
GERALD S. GOTTERER
ROBERT E. GREEN
JOHN W. GRYDER
ROBERT H. KARGON
ROBERT A. LYSTAD
OREST RANUM
EVERETT SCHILLER
JOHN P. YOUNG

THE GRADUATES

*

MARSHALS

RICHARD A. MACKSEY
OWEN M. PHILLIPS

THE DEANS

MEMBERS OF THE SOCIETY OF SCHOLARS
OFFICERS OF THE UNIVERSITY
THE TRUSTEES

*

MARSHALS

MICHAEL BEER
CARL F. CHRIST

THE FACULTIES

*

CHIEF MARSHAL

M. GORDON WOLMAN

THE CHAPLAINS

THE HONORARY DEGREE CANDIDATES
THE PROVOST OF THE UNIVERSITY
CHAIRMAN OF THE BOARD OF TRUSTEES
THE PRESIDENT OF THE UNIVERSITY

*

ORDER OF EVENTS

STEVEN MULLER

President of the University, presiding

* * *

PROCESSIONAL

*The audience is requested to stand as the Academic Procession
moves into the area and to remain standing after
the Invocation*

"Ceremonial March"

Felix Mendelssohn

The Peabody Wind Ensemble

RICHARD HIGGINS, *Director*

*

INVOCATION

REV. CLYDE SHALLENBERGER

*Director, Chaplaincy Service
Johns Hopkins Medical Institutions*

*

THE NATIONAL ANTHEM

*

GREETINGS

ROBERT D. H. HARVEY

Chairman of the Board of Trustees

*

PRESENTATION OF NEW MEMBERS OF THE SOCIETY OF SCHOLARS

HARRY EAGLE

ROBERT H. FELIX

CARLOS MONGE C.

MARK M. RAVITCH

MERRILL I. SKOLNIK

MYRON E. WEGMAN

C. GORDON ZUBROD

*

SCHOLARS PRESENTED BY HARRY WOOLF

Provost of the University

*

THE COMMENCEMENT ANTHEM:

"Jubilate Deo"

GIOVANNI GABRIELI

The Goucher-Hopkins Chorus
and

The Peabody Wind Ensemble

GEORGE R. WOODHEAD, *Conductor*

*

CONFERRING OF HONORARY DEGREES

WILLIAM G. COCHRAN

WILLIAM W. SCRANTON

*

ADDRESS

THE HONORABLE WILLIAM W. SCRANTON

Former Governor of Pennsylvania

CONFERRING OF DEGREES ON CANDIDATES

BACHELORS OF ARTS

BACHELORS OF ENGINEERING SCIENCE

Presented by

GEORGE E. OWEN

Dean, Faculty of Arts and Sciences

* * *

BACHELORS OF SCIENCE

Presented by

MALCOLM L. PETERSON

Dean, School of Health Services

* * *

ASSOCIATES OF ARTS

ASSOCIATES OF SCIENCE

BACHELORS OF SCIENCE

BACHELORS OF SCIENCE IN ENGINEERING

Presented by

ROMAN J. VERHAALLEN

Dean, Evening College

* * *

CONFERRING OF DEGREES ON CANDIDATES
continued

MASTERS OF SCIENCE
MASTERS OF EDUCATION
MASTERS OF LIBERAL ARTS
MASTERS OF ADMINISTRATIVE SCIENCE
CERTIFICATES OF ADVANCED STUDY IN EDUCATION
OR LIBERAL ARTS

Presented by

ROMAN J. VERHAALEN
Dean, Evening College

* * *

MASTERS OF SCIENCE
MASTERS OF HEALTH SCIENCE
MASTERS OF PUBLIC HEALTH

Presented by

JOHN C. HUME
Dean, School of Hygiene and Public Health

* * *

MASTERS OF INTERNATIONAL PUBLIC POLICY
MASTERS OF ARTS

Presented by

ROBERT E. OSGOOD
Dean, School of Advanced International Studies

* * *

MASTERS IN MENTAL HEALTH
MASTERS OF SCIENCE IN ENGINEERING
MASTERS OF ARTS

Presented by

RUSSELL H. MORGAN
Dean, School of Medicine

* * *

MASTERS OF SCIENCE IN ENGINEERING
MASTERS OF ARTS

Presented by

GEORGE E. OWEN
Dean, Faculty of Arts and Sciences

* * *

DOCTORS OF SCIENCE
DOCTORS OF PUBLIC HEALTH
DOCTORS OF PHILOSOPHY

Presented by

JOHN C. HUME

Dean, School of Hygiene and Public Health

* * *

DOCTORS OF PHILOSOPHY

Presented by

ROBERT E. OSGOOD

Dean, School of Advanced International Studies

* * *

DOCTORS OF MEDICINE
DOCTORS OF PHILOSOPHY

Presented by

RUSSELL H. MORGAN

Dean, School of Medicine

* * *

DOCTORS OF PHILOSOPHY

Presented by

GEORGE E. OWEN

Dean, Faculty of Arts and Sciences

* * *

STATEMENT TO THE GRADUATES

STEVEN MULLER

President of the University

*

BENEDICTION

REV. CHESTER WICKWIRE

Chaplain, The Johns Hopkins University

*

RECESSIONAL

“Trumpet Voluntary”

HENRY PURCELL

*The audience is requested to remain standing after the
Benediction until the members of the faculties and
graduates have left the area.*

CITATIONS FOR HONORARY DEGREES

Citation Read by

HARRY WOOLF

in Presenting

WILLIAM G. COCHRAN

for the Degree of Doctor of Laws

May 23, 1975

Mr. President, the science of biostatistics would be far less advanced than it is and far less important to science in general were it not for the work over the last 40 years of William G. Cochran. A native of Scotland and a graduate of Glasgow and Cambridge universities, Dr. Cochran came to Johns Hopkins in 1948 and for nearly ten years served this University as professor of biostatistics and chairman of the department in the School of Hygiene and Public Health. In 1957 he became professor of statistics at Harvard University, a position from which he is soon to retire.

Before he came to the United States, Dr. Cochran was one of the few mathematically-trained people to learn at first-hand the revolutionary ideas about experimental statistics developed by R. A. Fisher. At the time the field was developing along two almost incompatible lines. Probabilists and theoreticians were endeavoring to make statistics respectable in the eyes of mathematicians; others were evolving towards a statistical methodology often without proper theoretical justification. With his Cambridge training in mathematics and the inspiration imparted to him by Fisher, Dr. Cochran began a career which pioneered in the establishment of statistics as not only a respectable but an essential area of scientific study and research. By his own important contributions to both theoretical and applied statistics, he earned the respect of the mathematical statisticians, of the applied statisticians, and of scholars across a wide spectrum of the natural and social sciences. He was one of a handful of men whose work in the United States by the end of World War II had helped make this country preeminent in both the theory and practice of statistics.

In addition to his research, Dr. Cochran has few peers as a teacher. His lectures are inspiring, succinct, and spiced with the wry humor of Scotland. His value as a consultant and collaborator is well known nationally. He is the only person to have been elected president of all three major statistical societies in this country, and last year he was elected to the National Academy of Sciences.

Mr. President, it is a pleasure to present for the degree of Doctor of Laws, William G. Cochran.

Citation Read by
HARRY WOOLF
in Presenting
WILLIAM W. SCRANTON
for the Degree of Doctor of Laws
May 23, 1975

Mr. President, in his distinguished career William Scranton has successfully combined the roles of statesman, political leader, public servant and business executive.

A graduate of the law school at Yale University—which he now serves as a trustee—he became a force rather early in his career for economic revitalization in the region of Pennsylvania around Scranton, the industrial city named for his grandfather.

His first service to the federal government, except for several years as an Air Transport Command pilot in World War II, came in 1959 when he was named special assistant to the Secretary of State. A year later he ran successfully for Congress and established himself as an independent-minded figure in the House of Representatives. In 1962, upon the unanimous endorsement of all 67 of his state's county chairmen, he agreed to run for the governorship of Pennsylvania—one of the most important state offices in the country—won by a decisive margin, and served for four years with distinction.

Today, Mr. Scranton plays an influential role in the political life of the nation and is one of the leading figures in banking in his home state. He is also a director of a number of national corporations. At the same time he has continued in public service, including work on an almost continuous series of presidential missions—such as the President's General Advisory Committee on Arms Control and Disarmament—as well as a variety of nongovernmental assignments.

Two of these are of particular concern to us here today. In 1970, Mr. Scranton accepted the chairmanship of the President's Commission on Campus Unrest. The report of his group decried the rampant divisive rhetoric of the period and warned that campus unrest was but a reflection of a much more profound crisis of disunity that threatened national survival itself.

Mr. Scranton also served as a member of the Carnegie Commission that recently concluded a massive six-year study of higher education in the United States. The report of that group warned of an unrealistic yearning among colleges and universities for a return to the "golden age" of the 1950's and 1960's and urged the adoption of an autocritical analysis on the part of these institutions in order to define the proper role that they should play in what is clearly a new historical epoch.

Mr. President, in recognition of the important role he plays in national life as well as his contributions to higher education, it is an honor to present for the degree of Doctor of Laws, William W. Scranton.

JOHNS HOPKINS SOCIETY OF SCHOLARS

The Johns Hopkins Society of Scholars was created on the recommendation of former President Milton S. Eisenhower and approved by action of the University Board of Trustees on May 1, 1967. The Society—the first of its kind in the nation—inducts former postdoctoral fellows at Johns Hopkins who have gained marked distinction in their fields of physical, biological, medical, social, or engineering sciences or the humanities, and for whom at least five years have elapsed since their postdoctoral work. The Committee of the Johns Hopkins Society of Scholars, whose members are equally distributed among the academic divisions, elects the Scholars from the candidates nominated by the academic divisions having programs for postdoctoral fellows. Each division has the privilege of nominating up to three candidates for each election year. The Scholars are invested during the graduation ceremony, the Commemoration Day ceremony, or on some similar occasion and are presented with a diploma and a medallion with black and gold ribbon to be worn around the neck with their academic costume.

Today we honor eleven new members who have been inducted this year into the Johns Hopkins Society of Scholars:

Dr. Harry Eagle earned both his B. A. and M. D. degrees at Johns Hopkins before doing extensive postdoctoral work in the field of microbiology from 1928 to 1929. Currently associate dean for scientific affairs at the Albert Einstein College of Medicine, Dr. Eagle is most noted for his understanding of syphilis and the growth requirements of cells in culture to which a serological test for syphilis and a tissue culture medium bear eponymic witness.

Dr. Robert H. Felix became the first director of the National Institute of Mental Health in 1946, where he developed techniques for the application of peer judgment to the awarding of teaching, research and service funds in the mental health area—setting patterns for government support of scientific ventures. Aware quite early in his medical career that psychiatric illness was a public health problem, he led in the design of the mental health center, the core of which he has called the “Third Psychiatric Revolution,” community psychiatry. A postdoctoral fellow at Johns Hopkins from 1941 to 1942, he is dean emeritus of the St. Louis University School of Medicine and program coordinator of the Bi-State Regional Medical Program.

Dr. Elisabeth Liefmann-Keil studied at Johns Hopkins in 1952 and 1953 as a Rockefeller Postdoctoral Fellow working on income distribution, wage policy and social insurance in the United States. The results of her work have been published in her book, “Economic Theory of Social Policy.” One of the most distinguished German economists in the field of social policy, she is also a member of the Council on Economic Advisors of the Bundeswirtschaftsministeriums and of the Federal Science Advisory Council in Germany.

Dr. Maclyn McCarty has served a distinguished career in medicine and medical education at The Rockefeller University, beginning as a fellow and becoming professor and vice president at that institution. A postdoctoral fellow at Johns Hopkins from 1937 to 1940, Dr. McCarty’s research is well known in such areas as the transformation of pneumococcal types, C-reactive protein, the biology and immunochemistry of streptococci and the nature of rheumatic fever.

Dr. Carlos Monge was at Johns Hopkins as a fellow in medicine from 1948 to 1950, and again as visiting professor in 1966. Dr. Monge's field of study is renal physiology, an area in which his work is internationally recognized. He is currently professor of medicine at Cayetano Heredia University in Lima, Peru.

Dr. Marjorie H. Nicolson, a visiting scholar at Johns Hopkins from 1923 to 1926, studied under Arthur O. Lovejoy. During her outstanding career, she has taught in leading American universities and served as dean of Smith College from 1929 to 1941. Among her numerous books are "Microscope and English Imagination," "Breaking of the Circle," and "Science and Imagination." Currently William Peterfield Trent Professor Emeritus at Columbia University, her studies have been primarily within the field of English literature, for which she has been awarded many of the highest literary honors.

Dr. Mark M. Ravitch is an internationally renowned practitioner of general, thoracic and children's surgery. His investigative talents and the scope of his interests have led to the enunciation of innovative techniques of treatment, such as barium enema reduction of intussusception in infants and young children, correction of pectus excavatum chest deformities and use of mechanical stapling devices in major surgery. A postdoctoral fellow at Johns Hopkins from 1934 to 1943, he is currently surgeon-in-chief and professor of surgery at the Montefiore Hospital.

Dr. Merrill I. Skolnik earned his academic degrees at Johns Hopkins and was a postdoctoral fellow from 1952 to 1953 and a visiting professor from 1973 to 1974. Currently superintendent of the radar division of the Naval Research Laboratory, he is one of the country's leading authorities on radar. Dr. Skolnik's many publications have been in the fields of radar, antennas and gaseous electronics.

Dr. Roger G. Walker, who is professor of geology at McMaster University in Canada, was a N. A. T. O. Postdoctoral Fellow at Johns Hopkins from 1964 to 1966. Dr. Walker has done extensive research in the sedimentology of clastic rock, emphasizing the interpretation of sedimentary structures and facies, the lateral and vertical relationships of facies, and hence the reconstruction of ancient environments of deposition.

Dr. Myron E. Wegman has led a most varied and extensive career in medicine, education and public health, beginning in the Maryland State Health Department as a consultant and continuing today at the School of Public Health at the University of Michigan as dean emeritus and John G. Searle Professor of Public Health. A postdoctoral fellow at Johns Hopkins from 1936 to 1938, he has served, among other positions, as director of research and training in the New York City Health Department and as secretary general of the Pan American Health Organization.

Dr. C. Gordon Zubrod is director of the Comprehensive Cancer Center for the State of Florida at the University of Miami School of Medicine and professor and chairman of the school's Department of Oncology. Formerly director of the Division of Cancer Treatment at the National Cancer Institute, he has brought cancer chemotherapy closer to the cure of leukemia and Hodgkin's Disease. A postdoctoral fellow at Johns Hopkins from 1946 to 1953, he has gained for chemotherapy its fuller acceptance as an important tool in the control of all forms of cancer.

THE UNIVERSITY MACE

The University Mace carried by the Chief Marshal, Professor M. Gordon Wolman, was first used at the 1954 Commemoration Day Exercises. Eight symbols are hand wrought in sterling silver on an ebony staff. The symbols represent man's cultural development from ancient times, through the Middle Ages and the Renaissance, to the modern era.

THE PRESIDENTIAL INSIGNIA

University President Steven Muller is wearing the Presidential Insignia signifying the authority vested in the President by the Board of Trustees. It is a chain of sterling silver links worn around the neck. Portraits of each of the ten Johns Hopkins University Presidents are engraved on the faces of ten of the links. On the reverse are engraved the names and dates of office of each President. Ten blank links for future use are included. The University Seal completes the design.

ACADEMIC DRESS

The custom of wearing academic dress stems from the Middle Ages, when scholars were also clerics and wore the costume of their monastic order. The hood was originally a cowl attached to the gown, which could be slipped over the head for warmth. The cap was originally round, but has changed to the varieties that we see today.

The gown varies for the respective degrees. The Bachelor's gown is worn closed and can be distinguished by its long, pointed sleeves. The Master's gown is designed to be open with the arms worn through the slits in the elbows of the sleeves. The Doctor's gown, also worn open, has full, bell-shaped sleeves with three horizontal bars stitched across the upper arm. There is a velvet panel draped around the neck and stitched down the front edges. This velvet trimming may be either black or the same color as the velvet border of the hood.

The hood also varies for the respective degrees. The Bachelor's and Master's hoods are of the same design, pointed at the base. The Bachelor's hood is three feet long; the Master's hood is three and one half feet long. The Doctor's hood is four feet long, of fuller shape and rounded at the base.

The hood is bordered with velvet, the color of which indicates the field of study in which the degree was earned:

Dark blue — Philosophy
Light blue — Education
Orange — Engineering
Gold-yellow — Science

Green — Medicine
Salmon pink — Public Health
Pink — Music
Purple — Laws

White — Arts and Letters

The silk lining of the hood represents the institution which granted the degree. If more than one degree is held, the gown and hood of the higher or highest degree is worn. The Johns Hopkins University has adopted an alternative costume to be used by all holding Johns Hopkins doctoral degrees, both earned and honorary. The costume consists of a gold robe with front and side panels in sable velvet and a six-sided Dutch academic cap with gold sweatband and tassel. The linings seen in today's academic procession may include:

Black, old gold chevron — Johns Hopkins
Light blue, white chevron — Columbia
Dark blue — Yale
Blue with white chevron — Duke
Dark blue, two orange chevrons — Illinois
Light blue, two white chevrons — North Carolina
Old gold, maroon chevron — Minnesota
Old gold — Iowa
Gold, blue chevron — California
Gold — Virginia
Purple, gold chevron — Northwestern

Purple — New York University
Bright red — Wisconsin
Plum, with scarlet — London
Maroon — Chicago
Crimson — Harvard
Carnelian, two white chevrons — Cornell
Cardinal — Stanford
Red, tri-chevron in center — Heidelberg
Dandelion yellow — Michigan
Maize, azure blue chevron — Sorbonne
Yellow and white — Rochester

THE UNIVERSITY MOTTO

Veritas vos liberabit.
The truth shall make you free.

—*St. John 8:32*

AWARDS

IN THE FACULTY OF ARTS AND SCIENCES

AMERICAN INSTITUTE OF CHEMISTS NATIONAL STUDENT AWARD

to the outstanding graduating senior from Chemistry

Awarded to BRIAN ERNEST HANSON

JULIUS HOFMANN AWARD

for graduate studies in German

Awarded to C. LAMAR ELMORE

ERNEST M. MARKS AWARD

in recognition of excellence in instruction in Chemistry

Awarded to CHARLES B. JAEGER, JR.

C. RICHARD MARTIN AWARD

for outstanding work by a first or second year graduate student in Political Economy

Awarded to MARIE-CHRISTINE MEYER-ADAM

MATHEMATICAL SCIENCES AWARD

for outstanding achievement by an undergraduate

Awarded to TIMOTHY ALLEN GREEN

PAUL A. McCOY PRIZE

in recognition of outstanding accomplishment in Chemistry

Awarded to HARVEY LEWIS SCHANTZ

SARAH & ADOLPH ROSEMAN ACHIEVEMENT AWARD

in recognition of outstanding accomplishment in Chemistry

*Awarded to BRUCE R. BRANCHINI
EDWIN LEE KUGLER*

ROBERT BRUCE ROULSTON PRIZE

for excellence in German

Awarded to RUTH FULTON

ROYAL SOCIETY OF ARTS SILVER MEDAL

for distinguished achievement by an undergraduate in the application
of art or science to the field of commerce or industry, and for
significant participation in student activities

Awarded to MARK STEVEN McCONNELL

JULIUS TURNER AWARD

for the most distinguished Senior Thesis in Political Science

*Awarded to GORDON CALHOUN
ANDREW GEORGE WALDER*

IN THE EVENING COLLEGE

DELTA SIGMA PI SCHOLARSHIP KEY

in the Division of Administration and Business for the
highest average for the entire course

Awarded to DAVID LYNWOOD MONGAN

EDWARD J. STEGMAN, C. P. A., MEMORIAL AWARD

in the Division of Administration and Business for
excellence in the study of accountancy

Awarded to LOUIS ALFRED WESLEY

WALL STREET JOURNAL STUDENT ACHIEVEMENT AWARD

in the Division of Administration and Business for outstanding scholarship
and exceptional promise of future success

Awarded to CALVIN ALLEN YOUNG

IN THE FACULTY OF MEDICINE

HENRY STRONG DENISON SCHOLARSHIP

for excellence in biochemical research

Awarded to

JOHN HOWARD FETTING III
GORDON DEAN GINDER

THOMAS GUARNIERI
ERIC MICHAEL MAZUR

FRANCIS EDWARD O'DONNELL, JR.
CLAUDE ANTHONY PIANTADOSI

FRANKLIN PAINE MALL SCHOLARSHIP IN ANATOMY

in recognition of outstanding accomplishment

Awarded to JOHN JAY LEMASTERS

JOHNS HOPKINS MEDICAL SOCIETY STUDENT RESEARCH AWARD

Awarded to CLAUDE ANTHONY PIANTADOSI

CIBA AWARD FOR OUTSTANDING COMMUNITY SERVICE

Awarded to EDWIN B. STRUVE

IN THE SCHOOL OF ADVANCED INTERNATIONAL STUDIES

WILLIAM C. FOSTER AWARD

to a second year student for sound scholarship and a record of leadership
and distinguished service to SAIS exemplary of the high qualities
of integrity, loyalty and ability admired in Mr. Foster

Awarded to NANCY SMITH

CHRISTIAN A. HERTER FELLOWSHIP

to the member of the second-year class with the most outstanding
record during his first year

Awarded to ALAN KONEFSKY

HONOR SOCIETIES

PHI BETA KAPPA

From the Junior Class in the Faculty of Arts and Sciences

JOHN GORDON BORTZ
ROBERT LEOPOLD DANNER
MICHAEL HUDSON KATES
HILARY ANNE KESSEL

MARK ARTHUR KLEBANOFF
SUSAN ELIZABETH KOLB
MARY GERARD LYNCH
GARY CHARLES MARRONE

ROBERT GERALD MARSHALEK
GERARD BERNARD OLSZEWSKI
SCOTT ALAN REICHARD
JEFFREY MONCRIEFF SPEAR

CRAIG ARTHUR THOMPSON
JANET ANN TIGHE
DAVID OSCAR WILSON

From the Baccalaureate Candidates in the Faculty of Arts and Sciences

Elected as Juniors in 1973-74

JANICE BLUSTEIN
MICHAEL RICHARD BRAUDES
MICHAEL CARY BRUNNER

LURLINE FRANCES DEVOS
JONATHAN LEE HIGDON

MICHAEL JOSEPH JIMENEZ
STUART EDWARD MIRVIS

DAVID ANTHONY PICCOLI
ANDREW WADE SAVITZ
DAVID BRIAN TAPPER

Elected as Seniors in 1974-75

LEON J. BARISH
BRUCE WAYNE BARLAM
STEVEN ELLIS BERS
DARLENE BOOKOFF
GARY ROBERT BURGHART
GORDON CALIHOUN
NILS W. CARLSON
CLINTON PETER CAVUOTI, JR.
ALEXANDER JOHN DAVID
RANDY FRANK DAVIS
THOMAS WILLIAM DAVIS
KATHLEEN FOLEY FISCHER

DALE ALAN FOX
LAWRENCE S. FRIEDMAN
PAUL FRANK GIANNANDREA
CHARLES SAMUEL GILMAN
LAWRENCE S. GLASSMAN
ANDREW ROBERT GOLDSTEIN
DEBORAH GOODMAN
MARGARET ANN GRADY
MITCHELL JERED GRAYSON
TIMOTHY ALLEN GREEN
PHILIP DAVID HAMMER
KEN HEAD

RICHARD FRANK HEITMILLER
ALAN MITCHELL ISRAEL
LAUREN FRAN JAMES
RALPH FRANCIS JOZEFOWICZ
FREDERIC JOSEPH KAYE
JUDITH GAIL LAMBEK
ANDREW JAY LASTER
DIANE MARTHA LAVENDA
BRAD STEVEN LERNER
ROBERT EDWARD MCCUE
PATRICK IRWIN MAHONEY
BRUCE CAMERON MARSHALL

ALLAN OWEN MUEHRCKE
MICHAEL JOE ORLOSKY
GLENN STEVEN PANTEL
PETER ROCK
DAVID BRUCE ROSS
LAWRENCE THOMAS ROZANSKI, JR.
BARRY RICHARD SAGALOW
MARK RICHARD SECOR
JOHN ALAN SHAPIRO
MITCHELL CHARLES TENZER
LAWRENCE EDWARD TILLEY
MARK EMMETT UNIS

From the Doctor of Medicine Candidates in the Faculty of Medicine

DEAN RICHARD BACKSTROM
JONATHAN SAMUEL BEREK
ALAN MICHAEL BORKON
JOHN HOWARD FETTING III

DOMINIC JERRY NARDI
DENNIS ALAN NOE
FRANCIS EDWARD O'DONNELL, JR.
WILLIAM MCKINLEY PARHAM III
EDWARD B. STRUVE
RICHARD BARRY WEINBERG

LANITA C. WITT
MICHAEL VICTOR WREN
ANDREW MICHAEL YEAGER
EDWARD LAWRENCE YOURTEE

From the Doctor of Philosophy Candidates in the Faculty of Arts and Sciences

LYNN HUSSEY FOX

GABRIELLE MICHELE SCHUFF SPIEGEL

From the Doctor of Philosophy Candidates in the Faculty of Medicine

WILLIAM EASTON WALKER

TAU BETA PI

THE NATIONAL ENGINEERING HONOR SOCIETY

From the Faculty of Arts and Sciences

JOHN A. BENDER
ALEXANDER J. DAVID

A. JEFFERSON DODDS
JONATHAN L. HIGDON

SUSAN C. NOVIKOFF

From the Evening College

THOMAS E. CRUMLEY, JR.
FOREST J. FITZ, JR.
ROBERT M. GELDMACHER

CHARLES R. HILAMAN
JAMES O. MATHIS
ROBERT E. MCMORRAN

JOHN W. RANOCCHIA
MICHAEL J. RUPPERT
RONALD J. SCHINELLA

BRYAN J. STEWART
ROBERT E. WOOLBERT, JR.

ALPHA OMEGA ALPHA

HONOR MEDICAL SOCIETY

DEAN RICHARD BACKSTROM
JONATHAN SAMUEL BEREK
ALAN MICHAEL BORKON
PARK ELLIOTT DIETZ
BENNETT B. EDELMAN
JOHN HOWARD FETTING III
MAURICE KENT GATELY

GORDON DEAN GINDER
RICHARD WILDER GOODGAME
GEORGE VANCE LAWRY II
CATHERINE TSEN-YEN LEE
ERIC MICHAEL MAZUR
JAMES PAUL MCTAMANEY

DOMINIC JERRY NARDI
DENNIS ALAN NOE
FRANCIS EDWARD O'DONNELL, JR.
WILLIAM MCKINLEY PARHAM III
CLAUDE ANTHONY PIANTADOSI
DANIEL H. RYAN

EDWARD B. STRUVE
J. WALTON TOMFORD
RICHARD BARRY WEINBERG
LANITA C. WITT
MICHAEL VICTOR WREN
ANDREW MICHAEL YEAGER
EDWARD LAWRENCE YOURTEE

HONORS

Baccalaureate Candidates in the Faculty of Arts and Sciences

Graduating with General Honors

RICHARD KENNETH ASSOIAN
RICHARD MCGUIRE AULD, JR.
RICHARD WILLIAM BALSAMO
LEON J. BARISH
BRUCE WAYNE BARLAM
STEPHEN THOMAS BARTLETT
JEFFREY STUART BENDER
JOHN ALBERT BENDER
MEREDITH RUTH BERMAN
AARON JAY BERTEL
BRIAN ANDREW BLITZ
SUSAN BEA BLUM
JANICE BLUSTEIN
CHARLES PETER BOHM
DARLENE BOOKOFF
MICHAEL RICHARD BRAUDES
IRA STEPHAN BRILL
THOMAS DAVID BROWN
WENDY GLUCK BRUNHOUSE
MICHAEL CARY BRUNNER
GARY ROBERT BURGHART
LEO WILLIAM BUSS
GORDON CALHOUN
NILS W. CARLSON
PHILIP THEODORE CAROOM
KATHARINE STEWART CARTER
CLINTON PETER CAVUOTI, JR.
ANN REYNOLDS CONNOR
DANA MICHAEL DAFNIS
TERRY J. DAILEY
RICHARD BRYANT DAMEWOOD
ALEXANDER JOHN DAVID
RANDY FRANK DAVIS
THOMAS WILLIAM DAVIS
MARIAN TERESE DEMARINIS
MICHAEL DALE DE PRIEST
ANDREW HUBERT DERANGER
LURLINE FRANCES DeVOS
ANGUS JEFFERSON DODDS
JANICE CHARLOTTE DOUKAS
MARY ETHEL DUECKER
JACQUELINE CARTER ECKHART
STEPHEN ERDMAN
GEORGE BARD ERMENTROUT, JR.
ORLI REBECCA ETINGIN
JAMES W. FINNERTY
KATHLEEN FOLEY FISCHER
JUDITH ELLEN FLAGLE
DALE ALAN FOX
LAWRENCE S. FRIEDMAN
DANIEL PATRICK GAHAGAN
ALAN MARK GANDOLFI
PAUL FRANK GIANNANDREA

CHARLES SAMUEL GILMAN
ROBERT EDWARD GLASER
THOMAS WILLIAM GLASS
LAWRENCE S. GLASSMAN
ANDREW ROBERT GOLDSTEIN
DEBORAH GOODMAN
MARGARET ANN GRADY
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PHILIP DAVID HAMMER
BRIAN ERNEST HANSON
KENNETH SCOTT HEAD
RICHARD FRANK HEITMILLER
JONATHAN LEE HIGDON
STEVEN DAVID HISLEY
CAROL PLATT HOLLINGSWORTH
ALAN MITCHELL ISRAEL
LAUREN FRAN JAMES
MICHAEL JOSEPH JIMENEZ
RALPH FRANCIS JOZEFOWICZ
PHYLLIS SHEILA KAPLAN
MICHAEL LAWRENCE KASPER
FREDERIC JOSEPH KAYE
RICHARD CLARK KISSIAH
BENJAMIN DAVID KRACAUER
RITA ROCKWEILER KRAMER
DIANE LEE KRASNER
STEVEN PAUL KUTALEK
JUDITH GAIL LAMBK
RICHARD JAY LAMPEN
ANDREW JAY LASTER
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HARRY RALPH OTTEY
GLENN STEVEN PANTEL
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BRUCE ROBERT PARKER
JOSEPH PARKER
LORNA WYNNE PECK
ROBERT MICHAEL PEPPERCORN
DEBORAH KIM PFLIEGER
BRIAN KEVIN PHELAN
DAVID ANTHONY PICCOLI
CATHERINE BARTOSH PIEPER
GARY JULES PISK
MARY ATHENA POLK
MICHAEL THOMAS PUGLIESE
DANIEL WARREN RAAB
DEBORAH ANN REFF
SCOTT DAVID REITER
EFRAIN RIBEIRO, JR.
MICHAEL STEVEN ROBERTS
PETER ROCK
JO ANN ROSENFELD
DAVID BRUCE ROSS
BARRY RICHARD SAGALOW
ROBERT JEFFREY SAMUELSON
ANDREW WADE SAVITZ
WILLIAM JOHN SCHICKLER III
PETER SCHLOSSBERG
RICHARD TAYLOR SCHOLZ
ANDREW OSCAR SCHREIBER
MARIAN MAURA SCHUMAN
LAURA ELIZABETH SCOTT
MARK RICHARD SECOR
BRUCE EDWARD SHANNON
JOHN ALAN SHAPIRO
RONALD EVAN SHAPIRO
RISÉ SIEGAL
JAMES DANIEL SLODERBECK
MARK WILLIAM SMITH
ALEC MARC STEINGART
DAVID BRIAN TAPPER
MITCHELL CHARLES TENZER
LAWRENCE EDWARD TILLEY
DONN SHIGEHARU TOKAIRIN
RICHARD IVAN TSOU
MARK EMMETT UNIS
ANDREW GEORGE WALDER
DAVID CURTIS WILBUR
PAUL FREDERIC WORLEY

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RICHARD WILLIAM BALSAMO
RODNEY HOWARD BANKS
LEON J. BARISH
MICHAEL MANNING BERLIN
MEREDITH RUTH BERMAN
STEVEN ELLIS BERS
JANICE BLUSTEIN
DARLENE BOOKOFF
ELISA RUTH BRAVER
GARY ROBERT BURGHART
LEO WILLIAM BUSS
GORDON CALHOUN
NILS W. CARLSON
CLINTON PETER CAVUOTI, JR.
JOHN RICHARD CHAILLET
BRENDA JEANNE COOK
ALEXANDER JOHN DAVID
THOMAS WILLIAM DAVIS
SCOTT CAMPBELL DENNIS

ANDREW HUBERT DERANGER
LURLINE FRANCES DeVOS
ANGUS JEFFERSON DODDS
STEPHEN ERDMAN
GEORGE BARD ERMENTROUT, JR.
ROBERT EDWARD GLASER
MARGARET ANN GRADY
LOUIS P. GRAY
TIMOTHY ALLEN GREEN
PHILIP DAVID HAMMER
BRIAN ERNEST HANSON
JONATHAN LEE HIGDON
STEVEN DAVID HISLEY
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DIANE MARTHA LAVENDA
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MARK STEVEN McCONNELL
MARK MICHAEL McDERMOTT
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SUSAN CHARNE NOVIKOFF
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ALEC MARC STEINGART
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ELEANOR SUTHERLAND COPELAND
THOMAS EUGENE CRUMLEY, JR.
JAMES JOSEPH DEVINE
RICHARD WAYNE EAKLE
FOREST GERALD FITZ, JR.
ROBERT MILTON GELDMACHER

MARION LOUISE BURD GOSNELL
CHERYL LOUISE KUIHL
DOROTHY KESLER LAFORCE
DAVID LYNWOOD MONGAN
PATRICIA A. M. HOBSON MORITZ
JOYCE ANNE REAMY RAFFAELLE

JOHN WILLIAM RANOCCHIA
AMY LEE HUFFMAN REED
ISRAEL ARYEH ROSENBLOOM
MICHAEL JOHN RUPPERT
RONALD JAMES SCHINELLA
LOUIS ALFRED WESLY
CALVIN ALLEN YOUNG

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As of May 13, 1975

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GAIL JEAN ANDERSON, of Baltimore, Md.
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VERNON COSBY BARKSDALE, of Baltimore, Md.
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ELIZABETH ROSE BARNA, of Paramus, N. J.
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MEREDITH RUTH BERMAN, of Westfield, Mass.
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BARBARA ANN BEST, of Vienna, Va.
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CLAYTON L. BLICK, Jr., of Litchfield, Conn.
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JOSEPH ANTHONY CONTE, of New Rochelle, N. Y.
MAUREEN HATCHER CONTE, of Atlanta, Ga.
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JEFFREY ALAN COOL, of Lutherville, Md.
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JOHN DEVN CORNISH, of Baltimore, Md.
JOHN DANIEL COULTER, of Wilmington, Del.
JOHN CARROLL CRISP, Jr., of Baltimore, Md.
GARY DAN CULBERTSON, of Timonium, Md.

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 BARBARA ANN CURTIS, of Baltimore, Md.
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 RICHARD BRYANT DAMEWOOD, of Princeton, W. Va.
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 RANDY STEPHEN DATSKO, of Ebensburg, Pa.
 MICHAEL LARRY DAVIDSON, of Ellicott City, Md.
 ALAN TRENT DAVIS, of San Antonio, Texas
 RANDY FRANK DAVIS, of Monroe, N. Y.
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 TOYE GEORGE DAVIS, JR., of Oxford, Pa.
 ARNOLD WILLIAM DEKNATEL, of Baltimore, Md.
 GREGORY CLARK DELONG, of Plymouth Meeting, Pa.
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 SCOTT CAMPBELL DENNIS, of Yellow Springs, Ohio
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 PAUL DANIEL DICAMILLO, of Needham, Mass.
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 YVONNE DIPALMA, of Wayne, Pa.
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 KEVIN JOSEPH DOYLE, of Baltimore, Md.
 CHARLES WESLEY DRAKE, JR., of Naples, Fla.
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 EARL RANDALL DRYER, of Steelton, Pa.
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 STEVEN MARC ELIAS, of North Bellmore, N. Y.
 JAMES EDWARD ELLIOTT, JR., of Baltimore, Md.
 GEORGE BARD ERMENTROUT, JR., of Newtown, Pa.
 ORLI REBECCA ETINGIN, of New York, N. Y.
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 LYDIA J. FIRESTONE, of New Rochelle, N. Y.
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 JULIAN FLEET, of Livingston, N. J.
 IRA LENORRIS FLOYD, of Fort Pierce, Fla.
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 IRA MARTIN FOX, of Cherry Hill, N. Y.
 STEPHEN HENRY FRANCE, of Kensington, Md.
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 LAWRENCE S. FRIEDMAN, of Springfield, N. J.
 RICHARD BRUCE FRIEDMAN, of Oceanside, N. Y.
 NOREEN ANNE REGINA FROST, of Brooklandville, Md.
 PAMELA EARL FULLER, of Riva, Md.
 JOHN JULIAN FUNG, of Beverly Hills, Calif.
 WAYNE ALLEN GAEDE, of Baltimore, Md., A. A. Essex Community College, 1973.
 DENNIS ZACHARY GAGOMIROS, of Levittown, N. Y.
 DANIEL PATRICK GAHAGAN, of Baltimore, Md.
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 ALAN MARK GANDOLFI, of Yonkers-on-Hudson, N. Y.
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 LAWRENCE S. GLASSMAN, of Roslyn, N. Y.
 WILLIAM EDWARD GLAVIN, of Bloomfield Hills, Mich.
 LYNN FRANCES GOLDBLOOM, of Chevy Chase, Md.
 ANDREW ROBERT GOLDSTEIN, of Plainfield, N. J.
 DONALD BARRY GOLDSTEIN, of Baltimore, Md.
 DEBORAH GOODMAN, of Urbana, Ill.
 MICHAEL RAYMOND GORMAN, of Overland Park, Kans.
 MARGARET ANN GRADY, of Sparta, N. J.
 DAVID F. GRAFT, of Pittsburgh, Pa.
 JEFFREY HOWARD GRAY, of Gibsonia, Pa.
 LOUIS P. GRAY, of East Brunswick, N. J.
 MITCHELL JERED GRAYSON, of North Bellmore, N. Y.
 TIMOTHY ALLEN GREEN, of Smithsburg, Md.
 JEFFREY BENNETT GREENE, of West Palm Beach, Fla.
 JEFFREY MICHAEL GREVE, of Bricktown, N. J.
 RICHARD W. GRIER, JR., of Baltimore, Md.
 STEPHEN DAVID GROSS, of Wayne, N. J.
 ROBERT MARK HACKMAN, of Monroeville, Pa.
 GARY MATTHEW HAHN, of Melville, N. Y.
 CYNTHIA LEE HALL, of Los Altos Hills, Calif.
 JOHN MICHAEL HALWIG, of Rochester, N. Y.
 PHILIP DAVID HAMMER, of St. Paul, Minn.
 BENJAMIN LOUIS HANDEN, of Glens Falls, N. Y.
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 RICHARD FRANK HEITMILLER, of Wellesley, Mass.
 TODD ALLISON HELLER, of Lincolnwood, Ill.
 JEROME EDWARD HERBERS, JR., of Memphis, Tenn.
 BOLIVAR PATRICIO HERDOIZA, of Adelphi, Md.
 MANUEL FREDERICK HERNANDEZ, of Arlington Heights, Ill.
 RONALD LEONARD HERSH, of New Rochelle, N. Y.
 PHILIP ANDREW HIETER, of Garden City, N. Y.
 HEIDI WALLER HILL, of Dundee, Ill.
 RICHARD BENTON HILL, of Shidler, Okla.

STEVEN DAVID HISLEY, of Baltimore, Md.
 THOMAS VINCENT HOFFMANN, of Hicksville, N. Y.
 CAROL PLATT HOLLINGSWORTH, of Towson, Md.
 ARTHUR ROLAND HOLT, Jr., of Columbus, Ga.
 JOHN DAVID HOPKINS, of Chesterfield, Mo.
 MARK CHRISTOPHER HORNING, of Natrona Heights, Pa.
 JAMES ALFRED HARRIS, of Woodcliff Lake, N. J.
 DAVID WALTER HOUCK, of Edina, Minn.
 LAWRENCE F. HOWE, of Wilmington, Mass.
 CHARLES CLARK HUBBARD, Jr., of Montgomery, Ala.
 BRUCE IRA HYDE, of Monsey, N. Y.
 JUDITH ELLEN IMBER, of Reading, Pa.
 MATTHEW CHARLES INDECK, of Bridgewater, N. J.
 CHARLES HILLER INNES, of Baltimore, Md.
 ALAN MITCHELL ISRAEL, of Fair Lawn, N. J.
 ROBERT JAY IVANHOE, of Great Neck, N. Y.
 BRUCE PHILIP JAFFE, of London, England
 LAUREN FRAN JAMES, of Fresh Meadows, N. Y.
 MARK ALLAN JANK, of Oldsmar, Fla.
 STANLEY DAVID JANOR, of New Kensington, Pa.
 SAMUEL ALIVE JANUSZKIEWICZ, of Huntington, W. Va.
 PAUL HERBERT JAWORSKI, of Arnold, Md., A. A. Anne
 Arundel Community College, 1973.
 ROBERT VINCENT JEN, of Scarsdale, N. Y.
 PAUL GREGORY JENKO, of Stone Mountain, Ga.
 MICHAEL JOSEPH JIMENEZ, of Tappan, N. Y.
 CURTIS JAMES JOHNSON, of Wilmington, Del.
 WILLIAM BRUCE JOHNSON, of Crofton, Md.
 LESLIE FARRINGTON JONES, of New York, N. Y.
 RONALD ARTHUR JONES, of New York, N. Y.
 RALPH FRANCIS JOZEFOWICZ, of Woodside, N. Y.
 EMMA LEE ARELL JUNIOR, of Portland, Oreg.
 RUTH ELLEN KANTOR, of Baltimore, Md.
 PHYLLIS SHEILA KAPLAN, of Silver Spring, Md.
 MICHAEL LAWRENCE KASPER, of Houston, Texas
 FREDERIC JOSEPH KAYE, of Rio Piedras, Puerto Rico
 NANCY PATRICIA KEEGAN, of Milton, Mass.
 MICHAEL CARLTON KELLY, of Point Pleasant, N. J.
 SCOTT MUNRO KELLY, of Rockville, Md.
 CAREN ELISE KELMAN, of Chestnut Hill, Mass.
 HENRY BARTLETT KERFOOT, of Aberdeen, Md.
 PAMELA MURRAY KESTING, of Baltimore, Md.
 PAUL FAILOR KEYE, Jr., of Palos Verdes Estates, Calif.
 CLARK CHRISTIAN KINGERY, of Wilmington, Del.
 RICHARD CLARK KISSIAH, of Houston, Texas
 RONALD BRUCE KLAUSNER, of Haworth, N. J.
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 RICHARD LEE KONIGSBERG, of Baltimore, Md.
 LAWRENCE NEAL KOPPELMAN, of Albertson, N. Y.
 BERNARD FRED KOZLOVSKY, of Baltimore, Md.
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 RICHARD ALLAN KRAMER, of Silver Spring, Md.
 RICHARD NEIL KRAMER, of Old Bethpage, N. Y.
 RITA ROCKWEILER KRAMER, of Cazenovia, Wis.
 DIANE LEE KRASNER, of Shaker Heights, Ohio
 ROBERT EDWARD KRAVIS, of Broadalbin, N. Y.
 GEORGE MARTIN KRIPNER, of Odenton, Md.
 CATHLEEN DEBRA KRUEGER, of Ridgewood, N. J.
 STEVEN PAUL KUTALEK, of Hightstown, N. J.
 KONRAD M. KUZMANOFF, of New York, N. Y.
 WAYNE LACKS, of Flushing, N. Y.
 HARRY THOMAS LAMB, of Syracuse, N. Y.
 JUDITH GAIL LAMBEK, of New Providence, N. J.
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 Harford Community College, 1972.
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 CATHERINE ANDREA MLINARCHUK, of Baltimore, Md.
 STUART EDWARD MOISAN, of Annapolis, Md.
 JOSEPH XAVIER MONTEMARANO, of Brooklyn, N. Y.
 WALTER BRIAN MOORE, of Portsmouth, R. I.
 SUSAN JANE MORAN, of Houston, Texas
 GLENN MARC MORGENSTERN, of Brooklyn, N. Y.
 MARGARET ANN MORRIS, of Arlington, Va.
 MELVIN LEE MORSE, of Chevy Chase, Md.
 KARAN RUTH MOSELEY, of Montgomery, Texas
 ALLAN OWEN MUEHRCKE, of Oak Park, Ill.
 PATRICIA MARIAN MULRYAN, of Los Angeles, Calif.
 LINDA SUE MURPHY, of Bel Air, Md., A. A. Harford Community College, 1973.
 TIMOTHEA IGNATIUS MURPHY, of Baltimore, Md.
 THOMAS SCOTT NATHAN, of New York, N. Y.
 JAMES HOWARD NELSON, of Carbondale, Ill.
 DONALD HENRY NEWMAN, of Pittsburgh, Pa.
 ELEFTERIOS THOMAS NIKOLAIDIS, of Baltimore, Md.
 LESLIE CAROL NORMAN, of Riverdale, N. Y.
 FREDERICK NORTH, of Wichita, Kans.
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 MICHAEL JOE ORLOSKY, of Tampa, Fla.
 JEFFREY BENJAMIN OSTER, of Fairfield, Conn.
 HARRY RALPH OTTEY, of Boyertown, Pa.
 LENARD IRA OUSLANDER, of Metuchen, N. J.
 ELMER J. PACHECO, of Rio Piedras, Puerto Rico
 JEFFREY PACKER, of Haddonfield, N. J.
 GLENN STEVEN PANTEL, of Somerville, N. J.
 EDWARD SAMUEL PARELHOFF, of Baltimore, Md.
 BRUCE ROBERT PARKER, of Farmingdale, N. Y.
 JOSEPH PARKER, of Hereford, Md.
 CAROL ANNE PAYNE, of Spotsylvania, Va.
 CHRISTOPHER LEO PAZANDAK, of Edina, Minn.
 LORNA WYNNE PECK, of Charleston, W. Va.
 CHARLES FREDERICK PEPPERSACK, of Towson, Md.
 ROBERT MICHAEL PEPPERCORN, of Miami, Fla.
 SARA JANE PERKEL, of Levittown, Pa.
 DEBORAH KIM PFLIEGER, of West Chester, Pa.
 BRIAN KEVIN PHELAN, of New Britain, Conn.
 DAVID ANTHONY PICCOLI, of Pittsburgh, Pa.
 CATHERINE BARTOSH PIEPER, of Napa, Calif.
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 GARY JULES PISK, of Massapequa, N. Y.
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 MARY ATHENA POLK, of Chicago, Ill.
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 CHRISTOPHER JOSEPH REED, of Baltimore, Md.
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 SCOTT DAVID REITER, of Linden, N. J.
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 ALLYN IRVIN RICHERT, of Quakertown, Pa.
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 PETER ROCK, of Roslyn Heights, N. Y.
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 BARBARA C. SEGRIST, of Baltimore, Md.
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 BRUCE HOWARD SHAPIRO, of Bala-Cynwyd, Pa.
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 KREN KURTUS SHRIVER, of Titusville, Pa.
 JOHN GIFFORD SHUEY, of Silver Spring, Md.
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 HOWARD LEONARD SIMONS, of Lincolnwood, Ill.

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 MARK WILLIAM SMITH, of Princeton, N. J.
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 VERNON A. SMITH, of Evanston, Ill.
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 ANN LUISE WANG, of Claremont, Calif.
 LOUIS ROBERT WARREN, of Northbrook, Ill.
 FREDERICK WATERS WATERMAN, of Wianno, Mass.
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 DANIEL I. WORONOW, of Bethesda, Md.
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 SUSUMU YAMASHITA, of Lima, Peru
 ROBERT LIEN YIN, of Kensington, Md.
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 ROBERT EDWARD GLASER, of Randallstown, Md.
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ARTHUR LEON BRITAIN, of Baltimore, Md., B. S. Morgan State College, 1972.
TIMOTHY JAMES CASSADY, of Baltimore, Md., A. A., Community College of Baltimore, 1965; B. A., Towson State College, 1967.
INEZ HINTON CHERRY, of Baltimore, Md., A. A., Essex Community College, 1970; A. A., Essex Community College, 1972.
WILLIE MAE CLAY, of Baltimore, Md., A. A., Essex Community College, 1970; A. A., Essex Community College, 1972.
DAVID DOWNIE IV, of Ashland, Ohio.
JOSEPH M. DURKALSKI, of Pasadena, Md., B. S., Alliance College, 1970.
SUSAN EDWARDS, of Baltimore, Md., B. A., University of Maryland, 1973.
RICHARD FREEMAN, of Baltimore, Md., B. S., Cornell University, 1973.
JON RALPH HAGER, of Baltimore, Md., B. S., University of Maine, 1968.
DEANNA TOOTHMAN HARDMAN, of Baltimore, Md.
KAREN HARTNETT, of Baltimore, Md., B. S., Springfield College, 1972.
MARY THERESA JAROSZ, of Baltimore, Md., B. A., College of Notre Dame of Maryland, 1972.
ANN ELIZABETH KESLER, of Tower Lakes, Ill.
JONNEE LIANE LAMPSA, of Baltimore, Md.
JO ANNE LARMORE, of Delmar, Del.
JOAN M. BLUMENAUER LUSBY, of Baltimore, Md., A. A., Anne Arundel Community College, 1970.
MARIAN COLEMAN MARBURY, of Ruxton, Md.
RONALD BRIAN MEZICK, Jr., of Baltimore, Md., B. S., Towson State College, 1973.
LAURA M. MILLER, of Baltimore, Md., B. A., University of Maryland—Baltimore County, 1972.
JEANNE ELISE MOST, of New York, N. Y., B. A. New York University, 1972.
MARY SUZANNE MULCAHY, of Short Hills, N. J.
DENNIS HOWARD MYERS, of Baltimore, Md., B. A., Franklin and Marshall College, 1973.
AMELIA E. NACCARTO, of Gloucester, N. J., A. A., Camden County College, 1969; B. A., West Virginia University, 1972.
JEAN MAUNDER PORTER, of Santa Cruz, Calif.
CORNEL ROGERS, of Baltimore, Md. A. A., Essex Community College, 1973.
STEPHANIE SAMETH, of Rockville, Md.
SHEILA WEINGART, of Bellmore, N. Y., B. S., S. U. N. Y. at Albany, 1971.
JANE REID WHITMORE, of Baltimore, Md., B. A., Towson State College, 1971.
ANNE ELIZABETH WILLIAMSON, of Jersey Shore, Pa., B. S., Bucknell University, 1972.

ASSOCIATES OF ARTS

in The Evening College

- CAROL LYNN ALLEN, of Timonium, Md.
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DIANE CLAIRE FLEMING, of Baltimore, Md.
DONNA SUSAN PIVEC, of Baltimore, Md.
ROBERT ARDEN WILDMAN, of Baltimore, Md.

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MICHAEL JOHN KUJAWA, of Baltimore, Md.
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JOHN WILLIAM MANION, JR., of Hampstead, Md.
JOHN CHARLES PHALLER, Jr., of Baltimore, Md.
ALBERT RUSSELL RICHBURG II, of Glen Burnie, Md.
WALTER WILLIAM WUJEK, of Baltimore, Md.

BACHELORS OF SCIENCE

in The Evening College

- LAMBERT ROBERT ALBRECHT, of Joppa, Md., B.S.E. The Johns Hopkins University, 1968.
- WILLIAM LEE AMBROSE (Posthumously), of Westminster, Md.
- RAYMOND ELDRIDGE BALDWIN, JR., of Baltimore, Md.
- LYNN CHARLES BALL, of Baltimore, Md.
- CHARLES CLINTON BECKER, of Baltimore, Md.
- MICHAEL DEN BLEVINS, of Kingsville, Md.
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- PATRICIA CAVANAUGH BOEHM, of Baltimore, Md.
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- JOHN MICHAEL BROWN, of Baltimore, Md.
- ROBERT WALTER BUCKHEIT, of Baltimore, Md.
- CHARLES WILLIAM CALLENDER, JR., of Baltimore, Md.
- CHARLES RAYMOND COLBERT, of Ellicott City, Md.
- ELEANOR SUTHERLAND COPELAND, of Baltimore, Md., A.A. The Johns Hopkins University, 1972.
- JOYCE DAIDAKIS, of Baltimore, Md.
- WALTER AVERY DARROW, of Pasadena, Md.
- RAYMOND SAMUEL DAVISON, of Fallston, Md.
- EDMUND DEMSKY, of Baltimore, Md.
- REGINALD JOSEPH DISANTE, of Baltimore, Md.
- JOHN LEO DORN, of Baltimore, Md.
- JAMES VERL DUNCAN, of Baltimore, Md.
- RICHARD WAYNE EAKLE, of Laurel, Md.
- JOHN ROBERT ECKARD, JR., of Westminster, Md.
- JOHN LARRY ESWORTHY, of Columbia, Md.
- MILDRED ANNE FILIPPINO, of Baltimore, Md.
- GEORGE MICHAEL FRANK, of Reistertown, Md.
- THEODORA FRANCES GEORGETON, of Towson, Md.
- GOULD GIBBONS, JR., of Reisterstown, Md.
- DEVERA FRIEDLANDER GORDON, of Baltimore, Md.
- MARION LOUISE GOSNELL, of Baltimore, Md.
- GAIL RENEE GOULD, of Owings Mills, Md.
- JANICE ASHTON GRAHAM, of Baltimore, Md.
- MELVILLE DOWLEY GRAY, JR., of Baltimore, Md.
- PEGGY ANN LEWIS GREENE, of Pasadena, Md.
- JOHN HENRY GRUNEWALD, of Randallstown, Md.
- ANNE REGINA HARRIMAN, of Baltimore, Md.
- JEROME LOUIS HETRICK, of Pasadena, Md.
- JOHN VICTOR HIGGINS, JR., of Baltimore, Md.
- EDGAR THURMAN HINES, of Towson, Md.
- THOMAS JAMES HOLLINGSWORTH, of Baltimore, Md.
- MARY MARGARETTA MILLER HORENKAMP, of Pasadena, Md.
- ANITA MARIE IANNONE, of Baltimore, Md.
- YULEE JOHNS, of Glen Burnie, Md.
- EDITH ANN GRABOWSKI JONES, of Chase, Md.
- JANICE ARLENE KAMMERER, of Baltimore, Md.
- ANITA SUSAN HARBISON KARPETSKY, of Towson, Md.
- MANUEL KATSUS, of Reisterstown, Md.
- EMIL EDWARD KLAUSMEYER, SR., of Lutherville, Md.
- SHMUEL YAAKOV KLEINER, of Baltimore, Md.
- SAUNDRA LEE KLINE, of Baltimore, Md.
- WILLIAM ANTHONY KORNMAYER, of Pasadena, Md.
- DONALD PAUL KOSATKA, of Phoenix, Md.
- CHERYL LOUISE KUHL, of Baltimore, Md.
- DOROTHY KESLER LAFORCE, of Mountain Lakes, N. J.
- EARL NELSON LUTZ, of Baltimore, Md.
- HERBERT THEODORE MARKOWSKI, of Ellicott City, Md.
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- JOSEPH EDWARD McNULTY, of Baltimore, Md.
- G. INGER MICHAEL, of Baltimore, Md.
- EMIL ALEXANDER MILLER, of Baltimore, Md.
- DAVID LYNWOOD MONGAN, of Columbia, Md.
- ROBERT CHESLEY MOORE, of Bel Air, Md.
- PATRICIA ANNE HOBSON MORITZ, of Washington, D. C.
- JAMES EDWARD MOYLAN, of Baltimore, Md.
- AUGUST JOSEPH NICASTRO, of Forest Hill, Md.
- HARRIET EILEEN PILERT, of Baltimore, Md.
- CHARLES MICHAEL PURCELL, of Pasadena, Md.
- JOYCE ANNE REAMY RAFFAELE, of Baltimore, Md.
- WILLIAM FREDERICK RAUH, of Baltimore, Md.
- AMY LEE HUFFMAN REED, of Taneytown, Md.
- CHARLES FREDERICK REID III, of Columbia, Md.
- RONALD GILBERT ROCHIN, of Baltimore, Md.
- ISRAEL ARYEH ROSENBLUM, of Silver Spring, Md.
- ROBERT LEE ROSS, of Cockeysville, Md.
- ARTHUR LOUIS ROSSBACH, JR., of New Windsor, Md.
- RONALD MARTIN RUDDLE, of Randallstown, Md.
- BETTY R. SATTTLER, of Lutherville, Md.
- THOMAS HENRY SHEA, of Edgewood, Md.
- GRETA MOSS SHULMAN, of Baltimore, Md.
- SIGRID RANDERS-PHRSON SMITH, of Boulder, Colo.
- GRACE DARIA STEINACKER, of Cockeysville, Md.
- GEORGE EDWARD STRUCKO, JR., of Baltimore, Md.
- JONATHAN ADAMS TAYLOR, of Baltimore, Md.
- PAUL PETER THOMAS, of Baltimore, Md.
- M. S. RONALD WATKINS, of Baltimore, Md.
- GEORGE ALVIN WERNER, of Silver Spring, Md.
- LOUIS ALFRED WESLY, of Severna Park, Md.
- DWIGHT LOWELL WILSON, of Shrewsbury, Pa.
- ANNASTASIA IRENE WORCESTER, of Baltimore, Md.
- RICHARD EMORY YELLOTT, JR., of Baltimore, Md.
- CALVIN ALLEN YOUNG, of Baltimore, Md.
- EUGENE PAUL YOUNG, of Baltimore, Md.
- EDWARD ZARON, JR., of Baltimore, Md.
- EBERHARD EDMUND ZWERGEL, of Fulda, West Germany

BACHELORS OF SCIENCE IN ENGINEERING

in The Evening College

- PAUL ELIC BARKLEY, of Sykesville, Md., A.S. The Johns Hopkins University, 1972.
- ROBERT ANDREW BARRETT, of Baltimore, Md., A.S. The Johns Hopkins University, 1973.
- CHARLES THOMAS BENZING, of Baltimore, Md.
- THOMAS ALAN BEZEK, of Baltimore, Md.
- ROBERT PAUL BILLER, of Baltimore, Md., A.S. The Johns Hopkins University, 1973.
- BILTMORE BLACKMAN, of Baltimore, Md.
- LESLIE LEROY BRABETZ, of Glen Burnie, Md.
- MICHAEL DENNIS BRUNE, of Baltimore, Md.
- WILLIAM GEORGE BRUNNER, Jr., of Baltimore, Md., A.S. The Johns Hopkins University, 1973.
- CARL EDWARD CANATELLA, of Baltimore, Md., A.S. The Johns Hopkins University, 1973.
- JOSEPH MICHAEL CATALANO, of Easton, Md., A.S. The Johns Hopkins University, 1972.
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- JOHN HENRY CONAWAY, of York, Pa., A.S. The Johns Hopkins University, 1973.
- RICHARD LEE COOPER, of Baltimore, Md.
- WILLIAM STEWART COOPER, Jr., of Baltimore, Md.
- ALLEN EDWIN CROUT, of Glen Burnie, Md., B.S.E. The Johns Hopkins University, 1966; M.S., 1970.
- THOMAS EUGENE CRUMLEY, Jr., of Baltimore, Md.
- THADDEUS A. DANIECKI, Jr., of Baltimore, Md., A.S. The Johns Hopkins University, 1973.
- LAWRENCE ALLEN DELSS, of Baltimore, Md.
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- JACOB ELLORY EVANS, of Baltimore, Md.
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- CHARLES RAYMOND HILAMAN, of Monkton, Md.
- ROBERT WILLIAM HILSHER, of Joppa, Md.
- CHARLES EDWARD HOPKINS, of Baltimore, Md., A.S. The Johns Hopkins University, 1973.
- DENNIS JOHN HOPKINS, of Lutherville, Md.
- HENRY EDWARD HUTTON III, of Baltimore, Md.
- CHARLES CALVIN JEFFERSON, Jr., of Cockeysville, Md.
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- BARRY OWEN JOLLETT, of Joppa, Md.
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- CHARLES KEITH LEHMAN, of Baltimore, Md.
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- PETER PHILIP LIVOLSI, of Baltimore, Md.
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- ALBERT OTTO MOREAU, Jr., of Baltimore, Md.
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- JOHN DAVID MURRAY, of Baltimore, Md.
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- RONALD EARL NEWCOMER, of Baltimore, Md., A.S. The Johns Hopkins University, 1973.
- WILLIAM WILFRED NIES, of Baltimore, Md.
- RUSSELL PAUL NULL, Jr., of Cockeysville, Md., A.S. The Johns Hopkins University, 1973.
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- JOHN WILLIAM RANOCCHIA, of Baltimore, Md.
- PAUL CHARLES HUBERT REDMAN, of Boyds, Md.
- CARL DOUGLAS RILL, of Hampstead, Md.
- CHARLES GEORGE RIST, Jr., of Baltimore, Md.
- JOSEPH ANDREW ROMANOWSKI, Jr., of Baltimore, Md.
- PETER CARL RUNDEL, of Reisterstown, Md.
- MICHAEL JOHN RUPPERT, of Baltimore, Md.
- CHARLES GREGORY SARAU, of Columbia, Md., B.E.S. The Johns Hopkins University, 1969.
- MICHAEL JOSEPH SCHAP, of Baltimore, Md., A.B. Loyola College, 1959.
- RONALD JAMES SCHINELLA, of Baltimore, Md., A.S. The Johns Hopkins University, 1974.
- GEORGE DANIEL SCULLEN, Jr., of Lutherville, Md.
- RAY WILLARD SHAFFER, Jr., of Edgewood, Md.
- DAVID JOSEPH SHEEHAN, of Baltimore, Md.
- CYRIL RUDOLPH SHEPHERD, of Brooklyn, N.Y., A.S. The Johns Hopkins University, 1973.
- KENNETH KARL SIMMONS, of Baltimore, Md., A.S. The Johns Hopkins University, 1973.
- JOHN RICHARD TABAK, of Baltimore, Md.
- ERNEST HERBERT TILMES, Jr., of Forest Hill, Md.
- HERSCHEL GENE VINCENT, of Baltimore, Md.
- WILLIAM MILTON WEISENBORN III, of Pasadena, Md.
- ROBERT EDGAR WOOLBERT, Jr., of Baltimore, Md., A.S. The Johns Hopkins University, 1973.
- THOMAS ERIC YURMAN, of Edgewood, Md.

MASTERS OF SCIENCE

in The Evening College

- RODGER ALAN ABEL, of Columbia, Md., B. A. University of Maryland, 1970. Computer Science.
- MICHAEL ALBERT AIREY, of Baltimore, Md., B. S. Loyola College, 1969. Management Science.
- SHABAHAT ALI, of Baltimore, Md., B. S. University of Karachi, Pakistan, 1960; M. S., 1961. Computer Science.
- WILLIAM AUGUSTUS ALTMAN, of Ellicott City, Md., M. E. A. George Washington University, 1969. Environmental Engineering.
- MARY-JO CIPRIANO AMATRUDA, of Baltimore, Md., A. B. Wheaton College, 1966; M. A. Tufts University, 1968. Education.
- JANE WILSON ANDERSON, of Baltimore, Md., M. A. T. Oberlin College, 1965. Education.
- ANNASAHEB BABURAO ANUJE, of Baltimore, Md., B. E. Walchand College of Engineering, India, 1965. Management Science.
- RONALD MICHAEL ARMETTA, of Baltimore, Md., B. S. Towson State College, 1971. Education.
- DORIS LEWIS BAKER, of Towson, Md., B. S. Frostburg State College, 1964. Education.
- CHRISTENA JOYCE BALSLEY, of Bel Air, Md., B. S. West Virginia Wesleyan College, 1971. Education.
- CURTISS ANTHONY BAREFOOT, of Columbia, Md., B. S. E. E. Bucknell University, 1972. Numerical Science.
- ILENE TERRY BARKE, of Baltimore, Md., B. S. University of Maryland, 1971. Education.
- SUSAN JANE BAUER, of Baltimore, Md., B. S. Western Maryland College, 1970. Education.
- LINDA LOUISE BEAN, of Baltimore, Md., B. S. West Chester State College, 1969. Education.
- EDWARD WALTER BEAVER, of Millersville, Md., B. S. E. The John Hopkins University, 1969. Electrical Engineering.
- HENRY BRIAN BECKER, of Sterling Park, Va., B. S. St. John's University, 1968. Applied Physics.
- KATHRYN MARY JANOS BELITSOS, of Baltimore, Md., B. A. Queen's College, 1973. Education.
- BARBARA JANE MYERS BENNETT, of Reisterstown, Md., B. S. Towson State College, 1971. Education.
- ROSALIND IRENE KIELBASA BENNETT, of Havre de Grace, Md., B. S. Mansfield State College, 1970. Education.
- WILLIAM JOSEPH BENNETT, of Severn, Md., B. E. E. University of Detroit, 1970. Electrical Engineering.
- MARGARET KEELER BERENT, of Columbia, Md., B. A. St. Lawrence University, 1970. Education.
- SARALEE SACHS BERNSTEIN, of Baltimore, Md., B. A. Dickinson College, 1959; M. Ed. The Johns Hopkins University, 1971. Education.
- JAMES ALLAN BICKLING, of Greensboro, Md., A. A. Chesapeake Junior College, 1971; B. S. Salisbury State College, 1973. Education.
- RUTH LAWANDA BILLINGSLEY, of Edgewood, Md., B. S. The Johns Hopkins University, 1973. Education.
- MICHAEL RICHARD BINDER, of Randallstown, Md., B. S. University of Maryland, 1970. Computer Science.
- HARLAN HERSH BLACK, of Baltimore, Md., B. A. Loyola College, 1972. Education.
- THOMAS FLEMING BOGGS, of Laurel, Md., B. S. North Carolina State University, 1971. Computer Science.
- JAVIER BORDERA, of Alicante, Spain, M. A. University of Madrid, 1972. Education.
- ELLEN SUSAN BORTMAN, of Garrett Park, Md., B. A. University of Maryland, 1971. Education.
- ANDREA ROSE BOWDEN, of Baltimore, Md., B. A. College of Notre Dame of Maryland, 1969. Education.
- ROBERT CLARENCE BOWER, of Glen Burnie, Md., B. A. University of Maryland, 1973. Education.
- CARL ALLEN BOWSER, of Hyattsville, Md., B. S. Pennsylvania State University, 1963. Physics.
- BARRY HOLT BRAMWELL, of Darlington, Md., B. A. University of Virginia, 1969; M. S. George Washington University, 1973. Numerical Science.
- ELY MEJER BRAUN, of Buffalo, N. Y., B. A. Brooklyn College, 1970. Education.
- CLAUDIA MARIE BREWSTER, of Baltimore, Md., A. A. Baltimore Junior College, 1967; B. A. University of Maryland, 1969. Education.
- SYLVIA FAITH BLACK BROCK, of Silver Spring, Md., B. S. Purdue University, 1967. Computer Science.
- ALAN WAYNE BROOKS, of Columbia, Md., B. A. Rice University, 1973. Numerical Science.

- GAIL MACHT BROTMAN, of Baltimore, Md., B. S. University of Maryland, 1972. Education.
- MARY ANN ECKERT BROWN, of Baltimore, Md., B.S. Villanova University, 1970. Education.
- WILLIAM THOMAS BROWN, JR., of Baltimore, Md., B.S. Drexel University, 1970. Computer Science.
- MARJORIE ANN BARD BROWNSTEIN, of Richmond, Va., B. A. Hood College, 1966. Education.
- JOAN ALICE HEIN CABLE, of Havre de Grace, Md., B.S. Towson State College, 1970. Education.
- BARBARA ANNE DALINA CAMBRIA, of Glen Burnie, Md., B.S. Towson State College, 1968. Education.
- BEVERLY ASTROM CAMPBELL, of Baltimore, Md., B. A. Limestone College, 1956. Education.
- JAMES DAVID CANNON, of Kingsville, Md., B.S. Syracuse University, 1964. Management Science.
- SHARON MAE CAPLAN, of Baltimore, Md., B. S. University of Wisconsin, 1964. Education.
- JOANNE LESLIE CARTER, of Baltimore, Md., B.S. Morgan State College, 1971. Education.
- SURRINDAR SINGH CHAHAL, of Panjab, India, B. A. Government College, India, 1956; B. S. C. E. Guru Nanak Engineering College, India, 1961. Environmental Engineering.
- PATRICIA POTVIN CHALCRAFT, of Baltimore, Md., B.S. The Johns Hopkins University, 1973. Education.
- TERRI CHAYT, of Baltimore, Md., B. S. University of Maryland, 1973. Education.
- PAUL JU CHUN, of Gaithersburg, Md., B. S. Seoul National University, 1965. Computer Science.
- JANET MCAULIFFE CLARK, of Severna Park, Md., B. S. University of Maryland, 1972. Education.
- JUDITH ANN HAYDEN CLEVERLY, of Havre de Grace, Md., B.S. D'Youville College, 1961. Education.
- JEAN WILSON CLINNIN, of Baltimore, Md., B. A. University of Iowa, 1947. Education.
- PATRICIA PINGITORE CLOPP, of Columbia, Md., B. A. University of Maryland, 1969. Education.
- CHARLENE LEBKES COHEN, of Baltimore, Md., B. A. University of Florida, 1971. Education.
- RONALD COHEN, of Baltimore, Md., B. A. University of Maryland, 1967; M. L. A. The Johns Hopkins University, 1971. Education.
- JOHN RALPH COLEMAN, of Timonium, Md., B.S. Drexel Institute of Technology, 1962. Environmental Engineering.
- MARY JUDITH COLLINS, of Baltimore, Md., B.S. Towson State College, 1969. Education.
- STEVEN ROBERT COOK, of Columbia, Md., B.S. Rose Polytechnic Institute, 1973. Electrical Engineering.
- BRUCE ALAN COTTOM, of Milan, Tenn., B.S.C.E. Ohio State University, 1967; M. B. A, 1969. Computer Science.
- IRA BAUGHAN COTTRELL, JR., of Beltsville, Md., B. S. Florida Institute of Technology, 1972. Computer Science.
- VIVIAN JOYCE CRAWFORD, of Baltimore, Md., B. S. Langston University, 1973. Education.
- ANN SUZETTE MORROW CREWS, of Arnold, Md., B.A. Western Kentucky University, 1967. Computer Science.
- ARTHUR LORENZA CURRY, of Mount Rainier, Md., B.A. Stillman College, 1964. Education.
- TERESA ALFREDO DAILY, of Baltimore, Md., B. A. College of Notre Dame of Maryland, 1963. Education.
- BARBARA ANN MASSEY DANDRIDGE, of Columbia, Md., B.A. Morgan State College, 1970. Education.
- GWENDOLYN ALVETA GRAHAM DAYE, of Baltimore, Md., B. S. Morgan State College, 1954. Education.
- GERARD GEERT DECONINCK, of Tiegem, Belgium, C.E. Environmental Engineering, Rijksuniversiteit Te, Belgium, 1972. Environmental Engineering.
- CATHERINE AGNES DEPONAI, of Baltimore, Md., B. A. College of Notre Dame of Maryland, 1968. Education.
- GURMEET SINGH DHILLON, of Jhubal, India, B. S. Dav College, India, 1956. Environmental Engineering.
- ALAN MARTIN DIAMANT, of Silver Spring, Md., B. S. E. E. Drexel Institute of Technology, 1963. Computer Science.
- DEBORAH ETA DIMENTSTEIN, of Coconut Grove, Fla., B. S. University of Maryland, 1972. Education.
- LINDA LEIGH DIXON, of Catonsville, Md., B. S. University of Maryland, 1969. Education.
- JOAN ELIZABETH FRY DONAHUE, of Columbia, Md., B.S. Chestnut Hill College, 1969. Numerical Science.
- MARGARET AHRENS DONNELLON, of Gaithersburg, Md., A. B. Hunter College, 1970. Numerical Science.
- MARLENE HELMER DUKE, of Baltimore, Md., B. S. Towson State College, 1958. Education.
- ELIZABETH STEWART DUNBAR, of Baltimore, Md., B.A. Hiram College, 1964. Education.
- DONALD JAMES DUNN, of Ellicott City, Md., B. Engr. Youngstown University, 1960; B. S. B. A., 1965. Education.
- HERBERT ALLEN EDELSTEIN, of Arlington, Va., B. S. University of Maryland, 1966; M. A. T. The Johns Hopkins University, 1970. Management Science.
- GRACE RAY PUTRINO EDGAR, of Baltimore, Md., B.S. Towson State College, 1963; M. L. A. The Johns Hopkins University, 1968. Education.

- DONALD EDMOND, of Baltimore, Md., B.A. University of Maryland, 1973. Education.
- LINDA LEE ELKIN, of Bel Air, Md., B.S. Indiana University of Pennsylvania, 1969. Education.
- ELAINE HELEN ERNEST, of Columbia, Md., B.A. Marietta College, 1964. Education.
- JOANNE LYNNE FESNAK, of Columbia, Md., B.S. Villanova University, 1972. Computer Science.
- JUDY CHERYL MONFRIED FLEISCHER, of Baltimore, Md., B.S. University of Maryland, 1967. Education.
- JEFFREY ROBERT FLEMING, of Baltimore, Md., B.S.E.E. Virginia Polytechnic Institute, 1971. Electrical Engineering.
- BARBARA HOUGH FORBES, of Baltimore, Md., B.A. Gettysburg College, 1971. Education.
- RONALD LEE FRAILER, of Edgewood, Md., B.S. University of Maryland, 1965. Physics.
- HILDEGARDE FRIEMAN, of Baltimore, Md., B.S. University of Maryland, 1970. Education.
- CASSANDRA ANN LOCHARY GALLAGHER, of Baltimore, Md., B.A. College of Notre Dame of Maryland, 1970. Education.
- MARCELINO RUSSELL GARCIA, of Baltimore, Md., B.S. Morehouse College, 1963. Management Science.
- RAFAEL JORGE GARCIA, of Reisterstown, Md., B.S. Louisiana State University, 1957. Environmental Engineering.
- AVON HERBERT GARRETT, of Baltimore, Md., A.A. University of Maryland, England, 1970; B.A., 1971. Education.
- ROBERT JOHN GARRISON, of Baltimore, Md., B.S.M.E. University of Maryland, 1968. Management Science.
- IVAN ALBERT GETTLE, of Joppa, Md., B.S. Pennsylvania State University, 1964. Education.
- AUDREY HELEN O'NEIL GILDEA, of Croften, Md., B.S. Bowie State College, 1952. Education.
- DEBORAH ANN GILLESPIE, of Aberdeen, Md., B.A. Frostburg State College, 1972. Education.
- KATHLEEN ANN GILLESPIE, of Baltimore, Md., B.S. Towson State College, 1972. Education.
- JOEL GLAZER, of Randallstown, Md., B.S. University of Maryland, 1965. Management Science.
- RONALD JOSEPH GOFF, of Baltimore, Md., B.A. University of Maryland, 1972. Education.
- STEPHEN DAVID GOLDBLOOM, of Randallstown, Md., B.S. University of Maryland, 1971. Computer Science.
- CHRISTIN CAMSON GOODELL, of Baltimore, Md., B.A. College of Notre Dame of Maryland, 1969. Education.
- DONALD FRANK GRANT, of Silver Spring, Md., B.S.E. Rose Hulman Institute of Technology, 1970. Electrical Engineering.
- PAMELA ETHEL MESSICK GRAVES, of Baltimore, Md., B.S. University of Delaware, 1973. Education.
- BARBARA KRANETZ GREEN, of Columbia, Md., B.A. Boston University, 1969. Computer Science.
- KATHLEEN JEAN GROFF, of North East, Md., B.S. Beaver College, 1966. Education.
- MARY SNYDER GROSS, of Baltimore, Md., B.A. Swarthmore College, 1964. Education.
- JANET COOPER GUTHRIE, of Baltimore, Md., B.A. Earlham College, 1964. Education.
- LEA SHARFMAN HAIN, of Baltimore, Md., B.A. Brooklyn College, 1967. Education.
- MARTINA HALES, of Baltimore, Md., B.A. Howard University, 1970. Education.
- JOHN HARTZELL HAMMOND, of Odenton, Md., B.S. University of Maryland, 1971. Education.
- MICHAEL LEE HANQUIST, of Beltsville, Md., B.S. Kansas State University, 1972. Computer Science.
- ALBERT HENRY HANSSEN, of Baltimore, Md., B.S. Michigan Technological University, 1969. Environmental Engineering.
- KAMALAVATHY ARTHUR HARRIS, of Randallstown, Md., M.A. University of Madras, 1944; M.Ed. The Johns Hopkins University, 1967. Education.
- MILDRED JOAN HARRISON, of Baltimore, Md., B.A. Towson State College, 1972. Education.
- MARGARET MARTYN HAUPT, of Baltimore, Md., B.S. Towson State College, 1964. Education.
- GEORGINA DITTERTOVA HAVLIK, of Baltimore, Md., B.S. Institute of Chemical Technology, Czechoslovakia, 1957. Environmental Engineering.
- ALBERT LEE HELINSKI, of Baltimore, Md., B.S. Towson State College, 1972. Numerical Science.
- CATHY RIFE HENRY, of Glen Burnie, Md., B.S. Millersville State College, 1971. Education.
- ELLEN CURTIN HERRENBRUCK, of Severna Park, Md., B.A. University of San Diego, 1969. Education.
- THOMAS CARL HESS, of Bainbridge, Md., B.S. Carnegie-Mellon University, 1971. Environmental Engineering.
- IRA ALAN HIBERMAN, of Baltimore, Md., B.A. Towson State College, 1968. Education.
- ROBERT LEE HINKLE, of Severna Park, Md., B.S.E. The Johns Hopkins University, 1969. Management Science.

- TZUI-SHU CHANG HO, of Shansi, China, B.A. National Taiwan University, 1969. Management Science.
- STEPHEN JAMES HOBAUGH, of Laurel, Md., B.S. Point Park College, 1969. Numerical Science.
- MICHAEL JOHN HODGES, of Linthicum, Md., B.S. Loyola College, 1971. Numerical Science.
- RICHARD ALLEN HOLCOMBE, of Baltimore, Md., B.S. Drexel University, 1970. Numerical Science.
- ROBERT LEE HOLLAND, JR., of Columbia, Md., B.S. University of Colorado, 1970. Applied Physics.
- VIOLA JANE HOLLEY, of Baltimore, Md., B.S. Virginia Union University, 1969. Education.
- CAROLYN CLARKE HOLMES, of Baltimore, Md., B.A. Spelman College, 1966. Education.
- EDWARD YALE HORN, of Upper Marlboro, Md., B.S. Rutgers University, 1964; M.S. The Johns Hopkins University, 1971. Computer Science.
- DAVID WILLIAM HORNER, of Silver Spring, Md., B.S.E.E. West Virginia University, 1968. Electrical Engineering.
- JENNIFER ANN HORTON, of Baltimore, Md., B.S. University of Baltimore, 1972. Education.
- ANN BERNICE SUGGS HUNLEY, of Baltimore, Md., A.B. Morgan State College, 1954. Education.
- JOHN WOODFIN HUTSON, of Falls Church, Va., B.S. Murray State University, 1965. Space Technology.
- SHAHNAM GERAMI JABERI, of Towson, Md., B.S. Tehran University, 1971. Education.
- JAMES ROY JACKSON, of Baltimore, Md., B.S.E. Duke University, 1969. Electrical Engineering.
- ELMER CHARLES JARUSEK, of Abingdon, Md., B.A. University of Maryland, 1972. Education.
- MARTHA CHRISTINE LINEAR JOHNSON, of Baltimore, Md., B.S. Morgan State College, 1971. Education.
- RICHARD BIRGER JOHNSON, of Rockville, Md., B.S. Brown University, 1968. Electrical Engineering.
- JANET FAYE KAPRAUN, of Sykesville, Md., A.B. Western Maryland College, 1956; M.Ed., 1965. Education.
- PETER EPHRAIM KATZ, of Baltimore, Md., B.S. Rensselaer Polytechnic Institute, 1969. Environmental Engineering.
- RACHEL MILLISON KAUFMANN, of Baltimore, Md., M.A. Loyola College, 1971. Education.
- JOHN FRANCIS KENNY, of Wichita, Kans., B.A. University of Maryland, 1968; B.A. University of Puget Sound, 1970. Education.
- WAYNE EDWARD KING, of Baltimore, Md., B.S. The Johns Hopkins University, 1972. Education.
- ROBERT ALFRED KIPKE, of Aberdeen, Md., B.S. Towson State College, 1972. Education.
- MARIANNA MARQUARDT KLON, of Cudahy, Wis., B.A. Marquette University, 1972. Education.
- ASHOK ROHIDAS KUMTA, of Baltimore, Md., B.E. Sardar Patel College, 1966. Environmental Engineering.
- MOLLY KAY TIERNEY LA CHAPELLE, of Severna Park, Md., B.A. College of St. Catherine, 1966. Education.
- GERALDINE BORSH LAMBERT, of Baltimore, Md., B.A. Mount Mercy College, 1963. Education.
- DENNIS JOSEPH LANAHAN, of Baltimore, Md., B.E.S. The Johns Hopkins University, 1972. Electrical Engineering.
- THOMAS JOSEPH LANE, of Baltimore, Md., B.S. Brown University, 1971. Environmental Engineering.
- KATHLEEN MARIE LAUCHT, of Baltimore, Md., A.A. Mount Providence Junior College, 1969; B.S. Towson State College, 1971. Education.
- FELIPE LEBRON, of Lutherville, Md., B.A. The Johns Hopkins University, 1963. Environmental Engineering.
- ALICE LEE, of Randallstown, Md., A.A. Sacred Heart College, 1965; B.A. St. Joseph College, 1967. Education.
- ALICE SUE COOPER LEE, of Baltimore, Md., B.S. Coppin State College, 1965. Education.
- RAYMOND PETE LEE, of Silver Spring, Md., B.F.A. Maryland Institute, College of Art, 1968. Education.
- MARY ELLEN LEWIS, of Baltimore, Md., B.A. Towson State College, 1972. Education.
- GEORGE ROBERT LIGHT, JR., of Baltimore, Md., B.A. University of Maryland, 1970. Numerical Science.
- CAROL LEE LLOYD, of Owings Mills, Md., B.S. California State Polytechnic College, 1969. Education.
- DALE ROBERT LOGAN, of Columbia, Md., B.M.E. Ohio State University, 1964; B.S.E. The Johns Hopkins University, 1970. Electrical Engineering.
- BERNARD BRUCE LOWEKAMP, of Monkton, Md., A.B. LaSalle College, 1969. Education.
- ROBERT SOLLOWAY MAGEE, of Havre de Grace, Md., B.A. Pfeiffer College, 1964; M.A. Appalachian State University, 1965. Education.
- RAYMOND MELVIN MARCOMIN, of Baltimore, Md., B.S. The Johns Hopkins University, 1968. Physics.
- STERLING IGNATIUS MARSHALL, of Upper Marlboro, Md., B.S. University of Maryland, 1966. Education.
- JOAN ELIZABETH PARIZZI MARTIN, of Severna Park, Md., B.S. Duquesne University, 1964. Education.
- PATRICIA JEAN MARZKE, of Laurel, Md., B.S. Edinboro State College, 1971. Education.

- JON ALAN MASAMITSU, of Beltsville, Md., B. S. University of California, Los Angeles, 1972. Applied Physics.
- JOHN WILLIAM MAURER, of San Antonio, Texas, B. A. Washington Bible College, 1968. Education.
- DENNIS HAIN MCCALLAM, of Baltimore, Md., B. S. University of Maryland, 1971. Computer Science.
- SUZANNE TULLY MCCARTHY, of Rockville, Md., B. A. College of William and Mary, 1957. Numerical Science.
- EDWARD JOSEPH McDEVITT, of Laurel, Md., B. S. Rose Polytechnic Institute, 1968. Electrical Engineering.
- TIMOTHY PAUL MCGREW, of Baltimore, Md., B. S. Towson State College, 1972. Education.
- FRANCIS XAVIER MCGUIRE, of Bowie, Md., B. S. St. Mary's Seminary, 1945; S. T. B., 1947; M. Ed. The Johns Hopkins University, 1972. Education.
- FREDERICK GILBERT MEDINGER, of Baltimore, Md., B. A. The Johns Hopkins University, 1969; M. L. A., 1972. Education.
- ILENE FOX MEISTER, of Randallstown, Md., B. S. University of Maryland, 1971. Education.
- MARSHA JOY MENKE, of Baltimore, Md., B. S. University of Maryland, 1972. Education.
- ROBERT JEREL MILLER, of Greenbelt, Md., B. S. United States Naval Academy, 1968. Electrical Engineering.
- JOAN SYBIL ADLER MILLISON, of Baltimore, Md., B. A. University of Maryland, 1973. Education.
- LESLEY ENGLS MILLS, of Bel Air, Md., B. S. Towson State College, 1971. Education.
- JULIA THOMPSON MOORE, of Joppa, Md., B. A. Towson State College, 1968. Education.
- JOHN MICHAEL MYERS, of Millersville, Md., B. A. The Johns Hopkins University, 1970. Education.
- SHYMALESH NANDI, of Timonium, Md., B. C. E. Jadaupur University, 1967. Environmental Engineering.
- WILLIAM JAMES NEUGEBAUER, of Baltimore, Md., A. B. St. Mary's Seminary, 1972. Education.
- NANCY EILEEN OATES, of Baltimore, Md., B. A. University of Maryland, 1972. Education.
- EDWARD JOSEPH ODEND'HAL, of Baltimore, Md., B. S. E. The Johns Hopkins University, 1970. Management Science.
- MADELEINE CAROLINE OSBORNE, of Columbia, Md., B. A. Smith College, 1972. Computer Science.
- ELIZABETH RUDOLPH OTTO, of Glen Burnie, Md., B. S. University of Maryland, 1970. Education.
- ALBERT RAYMOND PARADIS, of Edgewood, Md., B. S. E. E. Northeastern University, 1940. Electrical Engineering.
- LAVERN DALE PARDE, of Beltsville, Md., B. S. E. E. University of Nebraska, 1970. Electrical Engineering.
- EMMA MOSIMANN PARIKH, of Baltimore, Md., B. A. Solothurnische-Kantonsschule-Handelsschule, Switzerland, 1950. Education.
- MARLENE RONA PAUL, of Baltimore, Md., B. A. University of Maryland, 1972. Education.
- JAMES PAVLAKIS, of Baltimore, Md., B. A. Marlboro College, 1958; M. A. The Johns Hopkins University, 1968. Education.
- LEDELL PEARSON, of Baltimore, Md., B. S. Auburn University, 1965. Computer Science.
- LOUIS JOSEPH PERONA, of Millersville, Md., B. A. Illinois College, 1968. Numerical Science.
- LAWRENCE JOSEPH PHALLER, of Ellicott City, Md. Electrical Engineering.
- MYRNA HOPE PIGO, of Columbia, Md., B. A. Pennsylvania State University, 1965. Education.
- JOHN LEO POST, of Severn, Md., B. S. Auburn University, 1972. Computer Science.
- DOROTHY BROWNER PRINGLE, of Columbia, Md., B. A. Morgan State College, 1965; M. Ed. The Johns Hopkins University, 1972. Education.
- MARGO CAROLYN RANDALL RADA, of Baltimore, Md, B. S. Bowling Green State University, 1970. Education.
- DEBORAH ANN RAIDT, of Baltimore, Md., B. A. Towson State College, 1971. Education.
- MARLENE ANN KIDDA RANKIN, of Havertown, Pa., B. S. Pennsylvania State University, 1971. Education.
- LETICIA INTENGAN RAPATAN, of Baltimore, Md., B. Mus. Holy Ghost College, 1950; M. Mus. American Conservatory of Music, 1952. Computer Science.
- LAURA JOSEPHINE RESTIFO, of Baltimore, Md., B. S. Bowling Green State University, 1971. Education.
- MYRNA BETH SCHENKEL RETSKY, of Baltimore, Md., B. S. New Jersey State Teachers College, 1954. Education.
- KIM ERVIN RICHESON, of Columbia, Md., B. S. Purdue University, 1968. Computer Science.
- ROBERT BARRY RICKARD, of Newington, Conn., B. S. Boston University, 1963; M. S. George Washington University, 1968. Management Science.
- JAMES PATRICK ROBINS, of Laurel, Md., B. A. Baylor University, 1969. Numerical Science.
- MAURICE GILBERT ROBINSON, of Baltimore, Md., B. S. Morgan State College, 1959. Education.
- NICANOR PEREYRA RODRIGUEZ, of Baltimore, Md., B. S. G. E. University of Philippines, 1963; B. S. C. E. National University, 1964. Environmental Engineering.

- SHIRLEY ANN BEEGHLY ROGERS, of York, Pa., B. S. Shippensburg State College, 1973. Education.
- CHRISTINA ZURAY ROJAHN, of Baltimore, Md., B. S. Towson State College, 1972. Education.
- RALPH EDMUND ROOS, of Pittsburgh, Pa., B. A. St. Vincent College, 1954. Education.
- LINDA LEWIS ROSS, of Baltimore, Md., B. S. Morgan State College, 1970. Education.
- GRANT ALLEN ROSSIGNOL, of Potomac, Md., B. A. American University, 1970. Numerical Science.
- LAWRENCE JENSEN RYTTER, of Timonium, Md., B. S. E. E. Virginia Polytechnic Institute, 1968. Electrical Engineering.
- BARBARA JANICE SAMARA, of Baltimore, Md., A. A. Concordia College, 1965; B. A. Pace College, 1970. Education.
- JAMES RAYMOND SASIADEK, of Baltimore, Md., B. A. St. Mary's Seminary, 1969. Education.
- BEVERLY MARLOW SCHELHAUS, of Baltimore, Md., B. S. Albright College, 1964. Education.
- JULIUS SCHERZER, of Columbia, Md., B. S. University of Bucharest, 1950; Ph. D., 1959. Environmental Engineering.
- JAY STUART SCHKLOVEN, of Parkville, Md., B. S. Towson State College, 1972. Education.
- IRVIN HOMER SCHROADER, of Bethesda, Md., B. A. Pacific Union College, 1942. Applied Physics.
- MAXINE BISHOP SCHWARZ, of Baltimore, Md., B. S. Bucknell University, 1951. Education.
- KATHARINE LOUISE SEILER, of Baltimore, Md., B. S. The Johns Hopkins University, 1969. Education.
- SHIRLEY JEAN SELLERS, of Columbia, Md., B. S. Bennett College, 1972. Numerical Science.
- EMMA LEE SEMBLY, of Baltimore, Md., B. A. Elmhurst College, 1972. Education.
- CHRISTINE MARIE ZAIKO SHERMAN, of Baltimore, Md., B. S. University of Maryland, 1971. Education.
- DEVINDAR SINGH SIDHU, of Baltimore, Md., B. S. Punjab University, India, 1961. Electrical Engineering.
- MARILYN STEIN SILVERSTEIN, of Baltimore, Md., B. S. University of Maryland, 1948. Education.
- JOHN HENRY SINCLAIR, of Baltimore, Md., B. S. Loyola College, 1970 M. S. The Johns Hopkins University, 1973. Numerical Science.
- EMILY SCHLOSS SINGER, of Baltimore, Md., B. S. University of Maryland, 1972. Education.
- BETTY JEAN SMITH, of Baltimore, Md., B. S. Radford College, 1959. Education.
- EDNA VIVIAN SMITH, of Baltimore, Md., B. S. Morgan State College, 1966. Education.
- MURDUX JACQUES SMITH, JR., of Glen Burnie, Md., B. A. University of Maryland, 1970. Education.
- SHIRLEY BALK SNYDER, of Randallstown, Md., B. S. The Johns Hopkins University, 1972. Education.
- LEONARD JAMES SOKOLOFF, of Pasadena, Md., B. A. Washington and Jefferson College, 1969. Education.
- MARGARET FONG SOLNICK, of Baltimore, Md., B. A. Hunter College, 1959. Computer Science.
- GERALD ROBERT SOLOMON, of Baltimore, Md., B. S. University of Pittsburgh, 1969. Education.
- ROBERT BAILEY SOLOMON, of Baltimore, Md., A. A. University of Baltimore, 1950; B. S. University of Maryland, 1964. Education.
- ROBERT WARREN SPANGLER, of Baltimore, Md., B. S. Towson State College, 1970. Applied Physics.
- BERNADETTE MICHELE SROKA, of Baltimore, Md., B. S. Towson State College, 1971. Education.
- ESTINA CATAVEIU STACK, of Linthicum Heights, Md., B. A. University of Maryland, 1970. Education.
- MARILYN ANNE STACK, of Mechanicsville, Md., B. S. University of Maryland, 1973. Education.
- MARION REDMOND STARKS, of Baltimore, Md., B. S. Coppin State College, 1957. Education.
- DONNAMARIE STAWSKI, of Baltimore, Md., B. A. Western Maryland College, 1971. Education.
- GERARD STEUBE, of Baltimore, Md., B. A. Divine Word College, 1969. Education.
- SHIRLEY STRONG STILES, of Hollywood, Fla., B. S. Towson State College, 1971. Education.
- SHIRLEY YOLANDA NOEL STILLIS, of Baltimore, Md., B. A. Morgan State College, 1957. Education.
- LINDA SUSAN SCHWARTZ STORCH, of Baltimore, Md., B. A. Brooklyn College, 1972. Education.
- MERLE HONEY SURDIN, of Baltimore, Md., B. S. University of Maryland, 1970. Education.
- DIANE I. SWERDLIN, of Baltimore, Md., B. S. University of Maryland, 1970. Education.
- EDWARD JAMES TANNER, JR., of Columbia, Md., B. S. Clarkson College of Technology, 1967; M. S. M. E., 1970. Numerical Science.
- SALLY MATABEL HAMMOND TAYLOR, of Glen Burnie, Md., B. A. Towson State College, 1972. Education.
- SANDRA ANDERSON TAYLOR, of Richmond, Va., B. S. Virginia Union University, 1972. Education.

- CAROLYN KEEFER TILLMAN, of Baltimore, Md., B.S. Pennsylvania State University, 1969. Education.
- JOSEPH TIMOTHY TROXLER, of Charlotte, N. C., A.B. University of North Carolina, 1972. Education.
- DENNIS SHERWOOD TUDAY, of Randallstown, Md., B.S.E. The Johns Hopkins University, 1968. Computer Science.
- HARRY KRIECHBAUM UTTERBACK, of Simpsonville, Md., A.B. Gettysburg College, 1957. Computer Science.
- RONALD DAVID VARNUM, of Glen Burnie, Md., B.S.E.E. University of Illinois, 1967; M.S. The Johns Hopkins University, 1970. Management Science.
- CATHY LYNN VECCHIO, of Baltimore, Md., B.A. Towson State College, 1970. Education.
- FRANCIS JOSEPH VELESZ, JR., of Baltimore, Md., B.S.E.E. Virginia Polytechnic Institute, 1971. Computer Science.
- ELIZABETH SPALDING VELTMAN, of Baltimore, Md., B.A. University of Maryland, 1971. Education.
- EDMUND ALAN VIERZBA, of Gaithersburg, Md., B.A. University of Minnesota, 1968. Physics.
- LORRAINE RUTH VOGELHUT, of Baltimore, Md., B.A. Brooklyn College, 1969. Education.
- MARION JANE WADE, of Baltimore, Md., B.A. University of Maryland, 1972. Education.
- NANCY ANN WAGONER, of Baltimore, Md., B.S. Towson State College, 1965. Education.
- EUGENE WARREN, of Baltimore, Md., B.S. Morgan State College, 1967. Education.
- EVELYN HINTON WATSON, of Columbia, Md., B.A. Harris Teachers College, 1964. Education.
- MARVAIS GAINER WELLS, of Reisterstown, Md., A.B. Morgan State College, 1969. Education.
- DANIEL JOSEPH WENZ, of Joppa, Md., B.S. Rutgers University, 1954. Environmental Engineering.
- LINDA WOODMENCY WHALEN, of Baltimore, Md., B.S. Frostburg State College, 1971. Education.
- ELAINE MAYNOR WHITE, of Baltimore, Md., B.S. Shaw University, 1965. Education.
- EUGENE BAILEY WILHELM IV, of Annandale, Va., B.A. University of Virginia, 1967. Numerical Science.
- GERALDINE TERESA WILLIAMS, of Columbia, Md., B.S. Bennett College, 1972. Numerical Science.
- GOLDIE QUEEN WOOD, of Randallstown, Md., B.S. Coppin State College, 1973. Education.
- NANCY LOUISE BURRELL YEAGER, of Baltimore, Md., B.S. Lock Haven State College, 1971. Education.
- MICHAEL ANTHONY YERKES, of Silver Spring, Md., B.S.E.E. University of Maryland, 1970. Electrical Engineering.
- JUDITH SEYERLE ZIEG, of Baltimore, Md., B.A. Capitol University, 1966. Education.
- HARRIET ELAINE ZLOTOWITZ, of Reisterstown, Md., B.A. Western Reserve University, 1971. Education.

MASTERS OF EDUCATION in The Evening College

- CANDICE ONKS ABRAHAM, of Baltimore, Md., B.S. West Virginia University, 1969.
- ROBERTA SUE ASHMORE, of Ellicott City, Md., B.A. Towson State College, 1969.
- MARGARET SIMRIL AUSTIN, of Baltimore, Md., B.A. Morgan State College, 1970.
- MARION MARIE WHITFIELD BATTLE, of Baltimore, Md., B.A. Morgan State College, 1951.
- JEANNE IRELAND BEANS, of Baltimore, Md., B.S. University of Maryland, 1968.
- ILENE RAE BEITLER, of Baltimore, Md., University of Maryland, 1970.
- YVETTE MARCIA BERNSTEIN, of Baltimore, Md., B.S. Towson State College, 1971.
- BARBARA JOAN BESHIEL, of Reisterstown, Md., B.A. St. Joseph College, 1968.
- MARIA GONCALVES BONITO, of Baltimore, Md., B.A. Purdue University, 1969.
- DAVID LEWIS BONN, of Baltimore, Md., B.S. Frostburg State College, 1968.
- SHARON ANN LESLIE BOWYER, of Cockeysville, Md., B.A. North Carolina Wesleyan College, 1966.
- JAMES LEE BRADLEY, of Baltimore, Md., B.A. University of Maryland, 1971.
- HELEN ZELDA BRODER, of Baltimore, Md., B.S. Fairleigh Dickinson College, 1955.
- GERTRUDE J. BROOKS, of Baltimore, Md., B.S. Morgan State College, 1959.

- GEORGE CLEVELAND BURGAN III, of Severn, Md., B. A. University of Maryland, 1969.
- MARIAN BUTLER, of Baltimore, Md., B. S. The Johns Hopkins University, 1970.
- ELIZABETH FRANCES CAIN, of Baltimore, Md., B. S. University of Maine, 1973.
- ESME IMELDA CARTY, of Baltimore, Md., B. S. Northern Polytechnic and University College Hospital, London, 1961.
- RONALD GARDNER CHOPPER, Baltimore, Md., B. S. The Johns Hopkins University, 1970.
- EDWARD BIDDLE CLAY, of Philadelphia, Pa., B. A. Franklin and Marshall College, 1973.
- SANDRA LUTZ COLEMAN, of Timonium, Md., B. A. Elizabethtown College, 1961.
- QUEEN ESTELLE COLLINS, of Baltimore, Md., B. A. North Carolina Central University, 1971.
- JOHN MILTON COLTON III, of Baltimore, Md., B. A. Lafayette College, 1964.
- CHRISTINE ANNE CORRENTE, of Havre de Grace, Md., B. S. Ashland College, 1971.
- JOHN TORMOLLAN COSDEN, JR., of Baltimore, Md., B. A. Loyola College, 1972.
- RICHARD BERG CULP, of Springfield, Va., B. A. University of Minnesota, 1960.
- ELEANOR RUTH DANIELSON, of Joppa, Md., B. A. Oklahoma State University, 1963.
- SHARON KIRK DELLINGER, of Havre de Grace, Md., B. S. University of Maryland, 1967.
- BILLY GORE DINSMORE, of Aberdeen, Md., B. A. University of Maryland, 1964.
- ANNA BUCHKO DOLAN, of Baltimore, Md., B. S. The Johns Hopkins University, 1964.
- NANCY HAITH DOUGLAS, of Silver Spring, Md., B. A. Bennett College, 1958.
- MINERVA ELVEE FERGUSON EADES, of Essex, Md., B. S. The Johns Hopkins University, 1971.
- THOMAS STEPHEN ENGLISH, of Baltimore, Md., B. S. Boston University, 1955.
- BARRY JOEL FADER, of Baltimore, Md., B. A. Towson State College, 1969.
- MARK EUGENE FAEHNER, of Baltimore, Md., B. A. Columbia Union College, 1970.
- MARILYN MARGARET FISHER, of Baltimore, Md., B. S. Frostburg State College, 1967.
- ELLEN BOWDEN FLETCHER, of Baltimore, Md., B. S. The Johns Hopkins University, 1963.
- PATRICIA PAIGE FOUST, of Baltimore, Md., B. S. Coppin State College, 1969.
- JEAN HUNTER GARCIA, of Baltimore, Md., B. S. University of Nebraska, 1958.
- WILLIAM CHARLES GEORGE, of Baltimore, Md., B. A. The Johns Hopkins University, 1973.
- JUDITH KAREN BLUHM GRAY, of Sykesville, Md., B. S. Bowling Green State University, 1964.
- DAVID GEORGE GREENWOOD, of Baltimore, Md., B. S. Loyola College, 1957.
- WALTER ALEXIS HALABURDA, of Danville, Pa., B. A. St. Mary's Seminary, 1955; M. L. A. The Johns Hopkins University, 1971.
- ENRIQUETA ABAD HALLARE, of Baltimore, Md., B. S. University of Santo Tomas, The Philippines, 1951; M. A. Far Eastern University, The Philippines, 1956.
- ALLYSON HUGHES HANDLEY, of Baltimore, Md., B. A. University of Western Ontario, 1968.
- CANDACE SUE HARGER, of Baltimore, Md., B. A. Towson State College, 1972.
- EDITH SCOTT HARRISON, of Baltimore, Md., B. S. Elizabeth City State University, 1960.
- SHIRLEY VIRGINIA HARRISON, of Baltimore, Md., B. S. Syracuse University, 1948.
- TERESA MARY HELM, of Colorado Springs, Colo., B. A. Towson State College, 1972.
- VALERIE THOMPSON HOOPENGARDNER, of Joppa, Md., B. S. Towson State College, 1964.
- ANGELA RUTH HOWARD, of Baltimore, Md., B. S. Bowie State College, 1972.
- KATHLEEN LAMB HOWARD, of Novi, Mich., B. S. Bryant College, 1971.
- CAROLYN ESTHER FELDMAN HUBBERMAN, of Baltimore, Md., B. S. Towson State College, 1964.
- BARBARA ANN EMERY HUMBERT, of Reisterstown, Md., B. A. Houghton College, 1963.
- ELISABETH GMELIN HUNSINGER, of Forest Hill, Md., B. A. Cedar Crest College, 1971.
- MARY LOUISE POLING HUTSON, of Glen Burnie, Md., B. A. Glenville State College, 1968.
- JANE MUIR MACALPINE IGLEHART, of Severna Park, Md., B. S. Syracuse College, 1952.
- DONALD HERBERT JACOBS, of Baltimore, Md., B. S. Towson State College, 1972.

- SHARON ARLEAN JIGGETTS, of Baltimore, Md., B. S. Towson State College, 1973.
- MAUREEN CARNEY JOCKEL, of Edgewater, Md., B. A. St. Joseph College, 1959.
- PATRICIA ANN JOHNSTON, of Seattle, Wash., B. A. College of Notre Dame of Maryland, 1972.
- IRENE VIVIAN HARRIS JONES, of Baltimore, Md., B. S. Towson State College, 1963.
- E. YVONNE JUDGE, of Dayton, Ohio, B. S. Towson State College, 1971.
- STUART REID KAHL, of McDonogh, Md., B. A. The Johns Hopkins University, 1970.
- BARBARA HUBERT KAPLAN, of Baltimore, Md., B. S. University of Maryland, 1972.
- BENITA FELDMAN KAPLAN, of Randallstown, Md., B. S. Towson State College, 1971.
- HATTIE EDELSTON KATKOW, of Columbia, Md., B. S. University of Maryland, 1969.
- GARY LEE KEEDY, of Glen Burnie, Md., B. A. Davis and Elkins College, 1964; M. L. A. The Johns Hopkins University, 1967.
- GAIL MAXWELL KEEFER, of Baltimore, Md., B. A. University of Maryland, 1969.
- RENA COHEN KELLY, of Baltimore, Md., B. S. Towson State College, 1963; M. L. A. The Johns Hopkins University, 1968.
- JOHN DAVID KNODE, of Glen Burnie, Md., B. A. Shepherd College, 1969.
- STANLEY THEODORE KOCH, of Glen Burnie, Md., B. A. University of Maryland, 1971.
- CAROL LYNN ECK KOTMAIR, of Jarrettsville, Md., B. S. Frostburg State College, 1970.
- JOHN ALAN LESLIE, of Baltimore, Md., B. S. Towson State College, 1967.
- BONNIE LIPMAN LEVITT, of Baltimore, Md., B. S. University of Maryland, 1972.
- JOANNE HARRIET PETERSON LEWIS, of Baltimore, Md., B. S. The Johns Hopkins University, 1971.
- JACQUELYN SUE LUCY, of Glen Burnie, Md., B. A. Towson State College, 1967; M. A. George Washington University, 1968.
- EDWARD ARDELL LUMADUE, of Arnold, Md., B. S. Towson State College, 1965.
- SHARON LEE LUMADUE, of Arnold, Md., B. S. Ohio University, 1968.
- EVE MIRIAM MARX LURIE, of Randallstown, Md., B. S. Towson State College, 1971.
- WILLIAM SHELTON LYON-VAIDEN, of Baltimore, Md., B. A. University of the South, 1967.
- MARGARET CATHERINE O'TOOLE MALESH, of Fork, Md., B. S. Towson State College, 1969.
- MERYL LOIS MANNING, of Baltimore, Md., B. S. S. U. N. Y. College at Brockport, 1970.
- GARFIELD B. MATEJ, JR., of Bel Air, Md., B. A. West Virginia Wesleyan College, 1963.
- ALFREDA MARION HARPER MATTHEWS, of Baltimore, Md., B. S. Coppin State College, 1968.
- JOAN EARLE MATTIE, of Lutherville, Md., B. S. University of Maryland, 1957.
- ANGIE CHAMBERS McCULLUM, of Baltimore, Md., B. S. Bowie State College, 1960.
- PATRICIA JO MENZIES, of Silver Spring, Md., B. A. Goucher College, 1970.
- SUSAN EILEEN MEYER, of Bel Air, Md., B. S. Utah State University, 1968.
- ROSEMARY MILTON MIANO, of Baltimore, Md., B. A. Vanderbilt University, 1971.
- BARBARA ANN MILLER, of Baltimore, Md., B. A. Towson State College, 1966.
- SUZANNE PROPPER MINER, of Columbia, Md., M. Ed. University of Maryland, 1971.
- ANDREA FRIED MOSSOVITZ, of Baltimore, Md., B. S. University of Maryland, 1969.
- DOROTHY CAROL WHITELY NAKHLA, of Baltimore, Md., B. S. Bob Jones University, 1969.
- NELL WADDELL NEAL, of Fairfax, Va., B. A. Towson State College, 1969.
- SUZANNE LEE SILVERS NEEDLE, of Baltimore, Md., B. A. Goucher College, 1962.
- LINDA LEE REESE NEIDERER, of Littlestown, Pa., B. A. Shepherd College, 1970.
- DOROTHY JANOL NELSON, of Baltimore, Md., B. S. Coppin State College, 1963.
- IRENE HELEN NOWICKI, of Baltimore, Md., B. A. College of Notre Dame of Maryland, 1972.
- ELIZABETH A. O'BRIEN, of Chicago, Ill., B. A. Mount St. Agnes College, 1957; M. L. A. The Johns Hopkins University, 1969.
- JOYCE VERNEL WEST PAGE, of Randallstown, Md., B. A. Texas College, 1962.
- CHARLENE McFADDEN PATTERSON, of Joppa, Md., B. S. Salisbury State College, 1965.
- JARRETT DELL PERRY, of Baltimore, Md., A. B. University of Kentucky, 1965.

- JAMES BURKE PFEIFFER, of Baltimore, Md., B. S. Frostburg State College, 1968.
- FAYE GAIL DONICK POLLACK, of Randallstown, Md., B. S. University of Maryland, 1969.
- RIIODA KFARE POSNER, of Baltimore, Md., A.B. Hunter College, 1965.
- NATALIE HELENE REES, of Baltimore, Md., B. A. University of Maryland, 1972.
- HAROLD EDWARD RHODES, of Silver Spring, Md., B. A. Columbia Union College, 1961.
- GARNELL FOSTER RICHARDSON, JR., of Baltimore, Md., B. S. Morgan State College, 1964.
- ROY PHILIP SACHS, of Owings Mills, Md., B. A. Case Western Reserve University, 1970.
- NANCY RASCOVAR SACKS, of Baltimore, Md., B. S. University of Maryland, 1971.
- GEORGE FREDERICK SHIPLEY, JR., of Baltimore, Md., B. S. Towson State College, 1968.
- FRANK LEE SLADKO, of Baltimore, Md., B. A. University of Baltimore, 1974.
- CAROLYN SUE SMITH, of Baltimore, Md., B. S. Coppin State College, 1972.
- ELAINE PHYLLIS EISENSTEIN SMITH, of Baltimore, Md., B. S. University of Maryland, 1954.
- ROBERT MICHAEL SORIN, of Columbia, Md., B. S. Towson State College, 1971.
- JEANETTE LUCILLE WILLIAMS STERLING, of Baltimore, Md., B. S. Coppin State College, 1966.
- WILLIAM EDWARD STEVENSON III, of Baltimore, Md., B. A. The Johns Hopkins University, 1970; M. A., 1972.
- JOYCE SAIER STUMP, of Severna Park, Md., B. S. Southern Connecticut State College, 1960.
- HARRIET BENNETT STYAR, of Baltimore, Md., B. A. University of Maryland, 1972.
- JOHN SAMUEL THIEMEYER, of Virginia Beach, Va., B. S. Washington and Lee University, 1969.
- GLORIA ANN THOMAS, of Pasadena, Md., B. S. Towson State College, 1972.
- GEORGE TOBIAS, of Trenton, N. J., B. S. Bucknell University, 1961.
- SUSAN HENNING TREFF, of Baltimore, Md., B. S. Towson State College, 1969.
- LAWRENCE IAN TUREK, of Baltimore, Md., B. S. University of Maryland, 1972.
- VIRGINIA ROSE VAN BAVEL, of Baltimore, Md., B. S. State University College, New Paltz, N. Y., 1968.
- RICHARD LEE VOGT, of Edgewood, Md., B. S. Towson State College, 1969.
- BARBARA LORY WAGNER, of York, Pa., B. A. Gettysburg College, 1958.
- BONNY LEVIN WALKER, of Baltimore, Md., B. S. University of Pittsburgh, 1965.
- CHARLES WYLY WATSON, of Baltimore, Md., B. A. The Citadel, 1958.
- CAROL ANN WEAVER WELLER, of Baltimore, Md., A.B. Mount St. Agnes College, 1971.
- JEANNE ABRAMSON WITT, of Baltimore, Md., B. S. University of Maryland, 1971.
- CHARLES ELLSWORTH WOLFKILL, of Baltimore, Md., B. S. University of Maryland, 1971.
- BARBARA CROSS WOODRING, of Upper Marlboro, Md., M. S. St. Francis College, 1970.
- SANDRA ZEITZOFF, of Baltimore, Md., B. S. University of Maryland, 1971.

MASTERS OF LIBERAL ARTS

in The Evening College

- ROBERT B. AGUILAR, JR., of Baltimore, Md., B. A. Pennsylvania Military College, 1971.
- CAROLYN HULL ANDERSON, of Baltimore, Md., B. A. Morgan State College, 1970.
- JOAN URSULA APPLESTEIN, of Baltimore, Md., B. S. The Johns Hopkins University, 1972.
- JEFFREY THOMAS BARAN, of Baltimore, Md., B. A. St. Hyacinth College, 1971.
- DENNIS CRAIG BARLOW, of Kingsville, Md., B. A. Purdue University, 1967.
- CAROL ANN BLEISTINE BAYNE, of Baltimore, Md., B. A. College of Notre Dame of Maryland, 1969.
- THERESA MARGARET BERG, of Baltimore, Md., B. A. Our Lady of Angels College, 1968.
- SHAREE MAE BERGDOLL, of Baltimore, Md., B. S. West Virginia University, 1963; M. A., 1968.

- JOYCE CAROL BASSLER BERNARD, of Glen Burnie, Md., B.S. State University, Geneseo, N. Y., 1965.
- ANTOINETTE LEE BLONDELL, of Stevensville, Md., A.B. College of Notre Dame of Maryland, 1968.
- ALLAN BURTON BLUMBERG, of Baltimore, Md., B.S. Franklin and Marshall College, 1956.
- MIRIAM G. BOTWINIK, of Baltimore, Md., B.S. Towson State College, 1970.
- DOROTHY VICTORIA BRADLEY, of Baltimore, Md., B.A. Wheeling College, 1968.
- GERALD ARMOUR BROWN, of Reisterstown, Md., B.S.E. The Johns Hopkins University, 1967.
- PAMELA HIGGINBOTTOM CAREY, of Towson, Md., B.A. Hood College, 1967.
- MARY EILEEN FISHER CHURCHILL, of St. Louis, Mo., B.A. College of Notre Dame of Maryland, 1971.
- SUSAN ROBERTSON CLINE, of Baltimore, Md., B.A. Western Maryland College, 1970.
- JOANNE COFFIN, of Baltimore, Md., B.A. Mount St. Agnes College, 1965.
- PATRICIA ANN COLSON, of Baltimore, Md., B.S. The Johns Hopkins University, 1965.
- MARY ELIZABETH COOK, of Towson, Md., B.A. Mount St. Agnes College, 1970.
- OLGA DUBOSZ COOPER, of Randallstown, Md., M.A. University of Michigan, 1940.
- RICHARD ALDRICH COOPER, of Cockeysville, Md., B.S. Pennsylvania State University, 1958.
- CAROLYN JEAN CRAIG, of Baltimore, Md., B.A. Sam Houston State University, 1963; M.A. University of Colorado, 1972.
- ANNE HOUSE CULLEN, of Towson, Md., B.A. Goucher College, 1948; M.A. Middlebury College, 1953.
- SUZANNE MARIE GARRIGUES DANIEL, of Baltimore, Md., B.A. Lindenwood College, 1967; M.A. University of the Americas, Mexico, 1970.
- GERALDINE MEYER DARMSTEADT, of Baltimore, Md., B.S. Towson State College, 1970.
- JACOB DEUTCH, of Baltimore, Md., B.S. College of City of New York, 1948; M.S. The Johns Hopkins University, 1971.
- MAURICE WAYNE DORSEY, of Baltimore, Md., B.S. University of Maryland, 1970.
- MARY ANN DUNCAN, of Baltimore, Md., B.S. University of Wisconsin, 1944.
- DORIS STYCHE ELLIS, of Glen Arm, Md., B.S. The Johns Hopkins University, 1966.
- JOHN HENRY ELSER, of Randallstown, Md., B.A. American University, 1971.
- LUIGI ESPOSITO, of Baltimore, Md., B.A. Mary Immaculate Seminary and College, 1964.
- MARIE TIHERESE FAHEY, of Baltimore, Md., B.A. College of Notre Dame of Maryland, 1967.
- WILLIAM LAWRENCE FELCHER, of Baltimore, Md., B.A. Western Maryland College, 1962.
- THOMAS LEO FLYNN, of Linthicum, Md., B.A. St. Ambrose College, 1966.
- MARYBETH SPENCE FORD, of Cockeysville, Md., B.A. Wittenberg University, 1972.
- MARY LOUISE FRANZ, of Baltimore, Md., B.A. Goucher College, 1948.
- LINDA SUSAN FREUD, of Baltimore, Md., B.A. University of Pittsburgh, 1970.
- ELIZABETH ANNE SHERMAN FRINDELL, of Columbia, Md., B.A. University of Maryland, 1968.
- CONNIE DEAN FURNISS FRISCH, of Bradshaw, Md., B.A. University of Utah, 1969.
- KARL JOHN FROEB, JR., of Baltimore, Md., B.S. Towson State College, 1969.
- MARY JEANNE BAKER FULLER, of Frostburg, Md., B.S. Frostburg State College, 1972.
- ALLEN DOUGLAS GANZ, of Towson, Md., B.A. La Salle College, 1969.
- ELIZABETH MARIE MAKER GARDNER, of Bel Air, Md., B.A. Bates College, 1971.
- THOMAS EDWARD GARRIGAN, of Baltimore, Md., B.A. University of Maryland, 1970; M.Ed. Towson State College, 1972.
- CARLA JOAN SNYDER GEHRIG, of Baltimore, Md., A.B. Muhlenberg College, 1970.
- GWENDOLYN LOCKE GIBSON, of Baltimore, Md., B.A. Towson State College, 1967.
- CAROL ANN FRISBY GOINS, of Flushing, N.Y., B.S. Morgan State College, 1970.
- M. CHESTER GOODSON, of Columbia, Md., B.S. Shaw University, 1959.
- JOSEPH FRANCIS GORDEN, of Glen Burnie, Md., B.A. University of Maryland, 1968.
- EDITH SHADD GREEN, of Baltimore, Md., B.A. Virginia State College, 1965.
- SHIRLEY ARMSTRONG COLEMAN HALL, of Monkton, Md., B.A. University of Maryland, 1944; M.Ed., 1961.
- MARY MARGARET HARPER, of Lansing, Mich., B.A. Mount St. Agnes College, 1965.

- MILDRED SMOOT HARRIS, of Baltimore, Md., B.S. Morris Brown College, 1962.
- LAWRENCE DAVID HART, of Salisbury, Md., B.A. University of Maryland, 1968.
- MARY SELBY HICKERNELL, of Baltimore, Md., B.A. Ohio Wesleyan University, 1965.
- SARA LEE HILDEBRAND, of Baltimore, Md.
- MARILYN THOMAS HOFFERBERT, of Cockeysville, Md., B.A. University of Delaware, 1969.
- MARGARET WHITLOW HOWARD, of Baltimore, Md., B.A. Meredith College, 1970.
- JEANNE BORENSTEIN HYATT, of Baltimore, Md., M.A.T. The Johns Hopkins University, 1971.
- ROBERT JONATHAN IVRY, of Baltimore, Md., B.A. The Johns Hopkins University, 1972.
- WILLIAM NOEL JOHNSTON, JR., of Havre de Grace, Md., B.A. Hiram College, 1970.
- TERRY WALTER JUDD, of Baltimore, Md., B.A. Macalester College, 1971.
- ALBIN DANIEL KACALA, of Randallstown, Md., B.S. The Johns Hopkins University, 1964.
- LILLIAN MARIE KALUZA, of Athens, Greece, B.S. Buffalo State University, 1960.
- JENNY CROCKER KEANE, of Frederick, Md., B.S. Towson State College, 1971.
- ELLEN HARVEY KELLY, of Baltimore, Md., B.A. Boston University, 1958.
- EARL BENJAMIN KING, of Bel Air, Md., B.A. Johnson Bible College, 1954; B.A. University of Maryland, 1969; M.Ed. University of Pittsburgh, 1963.
- PAULETTE ARNOLD KIRKPATRICK, of Baltimore, Md., B.A. Western Maryland College, 1968.
- ROSEMARIE ANNE REYNOLDS KISTENMACHER, of Baltimore, Md., B.A. San Francisco State College, 1966.
- RITA MUSCHELL KLEIN, of Randallstown, Md., B.A. Paterson State College, 1971.
- GERTRUDE ANN FOX KOBREN, of Reisterstown, Md., B.S. University of Utah, 1958.
- BARBARA OSBORN KREAMER, of Aberdeen, Md., B.A. Washington College, 1970.
- LINDA MARY KREAMER, of Baltimore, Md., B.A. University of Maryland, 1971.
- ANNE WEBSTER SMALL KURTZ, of Baltimore, Md., B.S. University of Maryland, 1970.
- THELMA VIRGINIA LANCASTER, of Baltimore, Md., B.S. The Johns Hopkins University, 1961.
- JORDAN LAWRENCE, of Baltimore, Md., Ph.D. Catholic University, 1965.
- JAMES MALCOLM LAWS, JR., of Baltimore, Md., A.B. Washington College, 1971.
- PAULA HIMMELHEBER LEE, of Towson, Md., B.A. College of Notre Dame of Maryland, 1968.
- KAY ANNETTE FLICKNER LEIMBACH, of Glen Burnie, Md., B.A. Otterbein College, 1966.
- DARLENE WINTERS LEWIS, of Sparks, Md., B.S. Towson State College, 1970.
- TIMOTHY ADAM LINCK, of Baltimore, Md., B.A. Wittenberg University, 1969; M.A. Morgan State College, 1973.
- HERBERT ALLAN LIPSITZ, of Baltimore, Md., B.A. University of Maryland, 1963.
- THERESA MERCEDES LOCHTE, of Baltimore, Md., B.A. Mount St. Agnes College, 1965.
- ELEANOR ROSE LOGUE, Ridley Park, Pa., B.S. Trinity College, 1962; M.S. Villanova University, 1968.
- RICHARD ROLAND LYTLE, of Baltimore, Md., B.S. The Johns Hopkins University, 1970.
- PATRICIA ANN MANN, of Baltimore, Md., B.S. Towson State College, 1968.
- JAMES DENNIS MARSALEK, of Baltimore, Md., B.A. Loyola College, 1969.
- ALBERT JOSEPH MATRICCIANI, JR., of Baltimore, Md., B.A. Villanova University, 1969.
- GEORGE BRENNAN MCCENEY, of Parkton, Md., B.A. Yale University, 1960.
- ROBERT FOSTER MCCONNELL, of Cockeysville, Md., B.A. Western Maryland College, 1968.
- PRISCILLA GRECO McFERRER, of Spring Grove, Pa., B.S. Bloomsbury State College, 1965.
- FRANCIS KENNETH MELCAVAGE, of Bel Air, Md., B.S. University of Maryland, 1970.
- THOMAS JOSEPH MERIMEE, of Baltimore, Md., B.A. The Johns Hopkins University, 1972.
- LOFTIN PAUL MONTGOMERY, JR., of Baltimore, Md., B.A. University of Maryland, 1966.
- BETSY MOORE HAND NISSLY, of Baltimore, Md., B.A. University of Maryland, 1966.
- JOSEPH JAMES O'CONNOR, of Cockeysville, Md., B.S. St. Joseph's College, 1968.
- RICHARD KARL OLIPHANT, of Westminster, Md., B.A. Gettysburg College, 1970.
- JANE CLELAND O'MARA, of Baltimore, Md., B.A. Vanderbilt University, 1970.

- JULIA ELLEN LOOKABILL ORAVECZ, of Glen Burnie, Md., B.A. Longwood College, 1966.
- ELIZABETH ANN PEARSALL, of Baltimore, Md., B.S. Frostburg State College, 1966; M.Ed. Loyola College, 1971.
- SUSAN SHERRY SWOPE PECK, of Towson, Md., B.A. Western Maryland College, 1970.
- MAYER MARTIN PEREL, of Baltimore, Md., B.S. University of Maryland, 1950.
- CLARA ANTONIA PERLINGIERO, of Columbia, Md., A.B. Salve Regina College, 1952.
- KATHRYN SUSAN PETERS, of Baltimore, Md., B.A. University of Maryland, 1971.
- LESTER GUY PHILBIN, of Baltimore, Md., B.A. Loyola College, 1973.
- JOSEPH ISRAEL PINES, of Baltimore, Md., LL.M. University of Baltimore, 1947.
- CARL LAWRENCE POHLNER, JR., of Bel Air, Md., B.S. Loyola College, 1967.
- EDWARD RICHARD POST, of Hyattsville, Md., B.A. University of Maryland, 1968.
- KATHLEEN ANNE MUSHINSKI POTE, of Baltimore, Md., B.A. University of Maryland, 1970.
- NANCY JEAN CURTIS QUEEN, of Severn, Md., B.S. Oregon College of Education, 1963.
- NAOMI GOLDSTEIN RAPPAPORT of Randallstown, Md., B.A. Queens College of the City University of New York, 1966.
- MARJORIE ANN REEVES, of Crownsville, Md., B.A. University of Maryland, 1962.
- LINDA GERTRUDE MIDDLESTADT REHMERT, of Ellicott City, Md., B.A. Washington College, 1966; M.A.T. The Johns Hopkins University, 1967.
- BARRY DALE RICHMOND, of Baltimore, Md., B.A. Loyola College, 1964; J.D. University of Maryland Law School, 1967.
- PHILIP GAYNAR RIVERA, of Baltimore, Md., B.A. St. Mary's Seminary University, 1967.
- CHESTER ARTHUR ROBINSON, of Randallstown, Md., B.A. Grambling College, 1971.
- YVONNE MARIE ROPISKI, of Baltimore, Md., B.S. Towson State College, 1971.
- AUDREY SEIDMAN ROTHSCHILD, of Washington, D.C., B.A. Goucher College, 1970.
- FRANCILLE EGBERT RUCKDESCHEL, of Baltimore, Md., B.A. Russell Sage College, 1969.
- LYDA JANE BRITT SANFORD, of Glen Burnie, Md., B.A. University of Maryland, 1971.
- REGINA VERA GRIMES SCHWAB, of Baltimore, Md., B.A. Randolph-Macon Woman's College, 1968; M.A.T. The Johns Hopkins University, 1969.
- JOHN CARTER SEIBEL, of Delta, Pa., B.A. Western Maryland College, 1968.
- ALONZO LEPAGE SEIDLER, of Baltimore, Md., D.D.S. University of Maryland, 1937.
- CHARLES JOSEPH SELUZICKI, of Baltimore, Md., B.S. Loyola College, 1968.
- JAMES WARREN SLACK, JR., of Severna Park, Md., Ch.E. University of Louisville, 1947.
- GEORGE LEE SLEDGE, of Timonium, Md., A.B. West Virginia University, 1963; A.M., 1966.
- CLARE MARIE SMITH, of Baltimore, Md., B.A. College of Notre Dame of Maryland, 1967.
- LINDA EVELYN SMITH, of Crofton, Md., B.A. Albright College, 1961.
- THOMAS ROYALL SMITH, of Middletown, Conn., B.A. Lafayette College, 1967; J.D. Boston University, 1970.
- NATALIE HINDA SMOLKIN, of Baltimore, Md., B.S. Towson State College, 1966.
- JOHN WILLIAM SNOW, of Washington, D.C., B.A. University of Toledo, 1962; LL.B. George Washington University, 1967.
- DIANE TAYLOR SPRAGUE, of Crofton, Md., B.A. University of Rhode Island, 1968.
- DOLORES PICCININI STRASDAUSKAS, of Baltimore, Md., B.S. Frostburg State College, 1964.
- HERSCHEL WAYNE SULFRIDGE, of Sykesville, Md., B.A. Berry College, 1967.
- RAYMOND DAVID TAFT, of Baltimore, Md., B.A. Towson State College, 1969.
- LINDA NORBY TRACY, of Baltimore, Md., B.F.A. Schools of the Art Institute of Chicago, 1969.
- JULIA ROBBINS TRAVERS, of Greenbelt, Md., B.S. University of Maryland, 1970.
- SIDNEY TRIEGER, of Baltimore, Md., B.E.S. The Johns Hopkins University, 1964; M.S., 1970.
- JOSEPH VICENTE VEIGA, JR., of Timonium, Md., B.A. Loyola College, 1970.
- LYNN WESLEY VOSLOH, of Greenbelt, Md., B.S. The Johns Hopkins University, 1972.
- NANCY JEAN DECKER WAGNER, of Baltimore, Md., B.A. Western Maryland College, 1971.
- KENT HARRISON WALKER, of Columbia, Md., B.Ed. University of Toledo, 1963; M.A. University of Maryland, 1968.

- JOHN HENRY WEETENKAMP III, of Baltimore, Md., B.S. Loyola College, 1969.
- LOUIS ANTHONY WEHAGE, of Jarrettsville, Md., B.S. Towson State College, 1965.
- THOMAS REID WESSELLS, of Baltimore, Md., M. Ed. Loyola College, 1971.
- CHARLES EDWARD WILKERSON, of Glen Burnie, Md., B.S. Salisbury State College, 1965.
- ROBERT GURNER WYLLIE, of Baltimore, Md., M. B. B. S. University of Adelaide, Australia, 1955.
- JOSEPH LAWRENCE YEATMAN, of Towson, Md., B.A. Towson State College, 1970.

MASTERS OF ADMINISTRATIVE SCIENCE

in The Evening College

- FRANK JOHN APICELLA, of Cheverly, Md., B.S. Norwich University, 1969; M. Ed. Boston State College, 1970.
- JAMES JOHN BANASKY, of Sykesville, Md., B.S.E. The Johns Hopkins University, 1970.
- THEODORE WALLACE BEAULIEU, of Forest Hill, Md., B.S.E. The Johns Hopkins University, 1971.
- PAUL DAVID BENDER, of Baltimore, Md., B.S. Towson State College, 1968.
- LEWIS EMBREY BLEDSOE, JR., of Baltimore, Md., B.S. The Johns Hopkins University, 1973.
- LAWRENCE MICHAEL BLOTZER, of Bel Air, Md., B.A. University of Maryland, 1970.
- EDWARD JOSEPH BOCHENEK, of Baltimore, Md., B.S.E. The Johns Hopkins University, 1965.
- KENNETH ALAN BORIG, of Baltimore, Md., B.A. The Johns Hopkins University, 1969; B.S., 1972.
- WILLIAM PALMER DUNN, of Columbia, Md., B.S. Illinois Institute of Technology, 1954.
- ALLAN MORRIS EUDELL, of Randallstown, Md., B.E.S. The Johns Hopkins University, 1967.
- CHARLES STANLEY FISCHER, of York, Pa., B.S. Drexel University, 1970.
- BARRY ARTHUR GOODSPEED, of Baltimore, Md., A.A. Prince George's Community College, 1970; B.S. Towson State College, 1972.
- GARTH EUGENE GROFT, of York, Pa., B.S. The Johns Hopkins University, 1967.
- JOHN WESLEY HOOVER, of Camp Hill, Pa., B.S. Pennsylvania State University, 1968.
- ROBERT L. HUCKEBA, of Baltimore, Md., B.S. Towson State College, 1971.
- HOWARD WILLIAM HUNTER, of Baltimore Md., B.S. United States Military Academy, 1954; M.A. Gonzaga University, 1966.
- KENNETH EDWARD JOHNSON, of Baltimore, Md., B.S. Morgan State College, 1964.
- LAMON LEE KING, of Millersville, Md., B.S. Murray State College, 1957.
- ANDREW A. KOSIARA, of Baltimore, Md., B.A. Jagiellon University, Poland, 1962.
- WALTER ALOYSIOUS KOVALCHEK, of Baltimore, Md., B.S.E. The Johns Hopkins University, 1961; M.S.E., 1967.
- EDWARD PAUL KRAUSE, of Pasadena, Md., B.E.S. The Johns Hopkins University, 1957.
- ALBERT EDWARD KUKLA, of Timonium, Md., B.S. The Johns Hopkins University, 1972.
- ROGER JEAN LUSSIER, of Ellicott City, Md., B.S. University of Massachusetts, 1965; Ph.D. Brown University, 1969.
- JAMES HERBERT MACEMON, of Glen Burnie, Md., B.E.E. Georgia Institute of Technology, 1972.
- WARD KEVIN MOONEY, of Baltimore, Md., B.A. The Johns Hopkins University, 1971.
- CHARLES ERIC MOORE, JR., of Millersville, Md., B.A. Western Maryland College, 1971.
- CHARLES VICTOR MUELLER, of Dallastown, Pa., B.S.M.E. Northeastern University, 1970.
- THONUR NARAYANAN KUTTY NAIR, of Reisterstown, Md., B.E., P.S.G. College of Technology, India, 1957.
- LEE GORDON NOLLAU, of York, Pa., B.A. Juniata College, 1972.
- EDWARD THOMAS PAULIS, JR., of Timonium, Md., B.S.C.E. University of Maryland, 1963; B.L., 1968.
- NOBLE FRANKLIN PRIBBLE, of Phoenix, Md., B.S.E.E. Massachusetts Institute of Technology, 1953.
- THOMAS ALAN SALENME, of Towson, Md., B.S. Northeastern University, 1972.

JANICE ALTHOUSE SCHLIMM, of Baltimore, Md., B. A. University of Maryland, 1956; M. L. A. The Johns Hopkins University, 1973.

ANTHONY CHRISTOPHER SHUCOSKY, of Cockeysville, Md., B. S. Pennsylvania State University, 1971.

GEORGE JOSEPH SKEPTON, of Baltimore, Md., B. S. E. The Johns Hopkins University, 1970.

JOHN PAUL SNYDER, of Towson, Md., B. S. Towson State College, 1971.

LAWRENCE ROBERT SNYDER, of Baltimore, Md., B. E. S. The Johns Hopkins University, 1970.

JAMES LINCOLN SPARKS, of Baltimore, Md., B. S. Towson State College, 1961.

HEDLEY DUANE STEELBERG, of Baltimore, Md., B. S. The Johns Hopkins University, 1972.

ANDREW JOSEPH TOMKO, of Baltimore, Md., B. A. University of Notre Dame, 1970.

RICHARD DUVAL WHITE, of Baltimore, Md., B. A. Trinity College, 1972.

DONALD EDWARD WREDE, of Forest Hill, Md., B. A. University of Maryland, 1969.

CERTIFICATES OF ADVANCED STUDY in The Evening College

DELORES MATILDA FISHER BADEN, of Baltimore, Md., B. S. Coppin State College, 1952; M. Ed. The Johns Hopkins University, 1957. Education.

RONALD EWART BLACK, of Rising Sun, Md., M. A. Columbia University, 1962. Education.

NILA MAE BOWDEN, of Baltimore, Md., B. S. Jackson State College, 1965; M. A. Morgan State College, 1967. Liberal Arts.

NANCY STREEKS BROOKS, of Phoenix, Md., B. S. Towson State College, 1961; M. Ed. Gallaudet College, 1965. Education.

THOMAS JAMES BYRD, of Baltimore, Md., A. B. St. Mary's Seminary, 1946; M. Ed. The Johns Hopkins University, 1970. Education.

DOROTHY REBECCA WILMORE CLAYBORNE, of Baltimore, Md., B. S. Coppin State College, 1954. Education.

NELL GRACE KELLY COFFEY, of Baltimore, Md., M. A. Morgan State College, 1969. Liberal Arts.

JEAN MARCELLA BENSON CROW (Posthumously), of Luther-ville, Md., B. S. Towson State College, 1944; M. Ed., 1969. Education.

LUVINIA ELIZABETH DANIELS, of Baltimore, Md., B. S. Coppin State College, 1962; M. Ed. The Johns Hopkins University, 1971. Education.

BARBARA DAUGHERTY, of Baltimore, Md., B. S. Maryland State College, 1968; M. Ed. Coppin State College, 1971. Education.

JAMES BRICE DRYDEN, of Havre de Grace, Md., M. Ed. Loyola College, 1970. Education.

MARIE SOCKWELL FRANCIS, of Baltimore, Md., B. A. Virginia Union University, 1953; M. Ed. The Johns Hopkins University, 1970; M. S., 1973. Education.

VIRA JANET FROEHLINGER, of Baltimore, Md., M. Ed. Loyola College, 1966. Education.

STACIE GOODMAN GOFFIN, of Towson, Md., B. S. University of Massachusetts, 1970; M. A. George Washington University, 1971. Education.

EDITH SHERRY GORDON, of Baltimore, Md., M. A. New York University, 1953. Education.

YVONNE FOUTHER GREEN, of Birmingham, Ala., M. A. University of Chicago, 1970. Education.

DONALD PENN HALL, of Glen Burnie, Md., B. S. University of Maryland, 1967; M. Ed. The Johns Hopkins University, 1970. Education.

RUBIE JEWEL HARRIS, of Baltimore, Md., B. A. Texas Southern University, 1966; M. Ed. The Johns Hopkins University, 1973. Education.

CLAIRE REISSIG HERSHFIELD, of Glenarm, Md., B. S. Towson State College, 1954; M. Ed. The Johns Hopkins University, 1969. Education.

FRANCES DAVIS HILDEBRAND, of Baltimore, Md., B. S. Towson State College, 1961; M. L. A. The Johns Hopkins University, 1966. Liberal Arts.

RUTH TAUB HOFFMAN, of Baltimore, Md., B. A. University of Maryland, 1949; M. Ed. The Johns Hopkins University, 1965. Education.

ARCH ELLIOTT HOUSTLE, JR., of Baltimore, Md., B. A. Cornell University, 1932; M. E., 1934; M. L. A. The Johns Hopkins University, 1967. Liberal Arts.

- LEATRICE DYE HOWE, of Cockeysville, Md., B.A. Towson State College, 1967; M.Ed. The Johns Hopkins University, 1971. Education.
- RUTH BROOKS HUNT, of Baltimore, Md., M.A. Columbia University, 1964. Education.
- KENNETH SAMUEL JOHNSON, of Lewisburgh, St. Mary, Jamaica, W. I., M.Sc. Stout State University, 1970. Education.
- ROBERT ANTHONY KANE, of Lutherville, Md., B.A. Howard University, 1960; M.A., 1969. Education.
- JANIS SCHULER KILMER, of Towson, Md., B.S. University of Maryland, 1957; M.S., 1960. Education.
- ALICE ARNOLD KJER, of Baltimore, Md., M.S. George Peabody College for Teachers, 1948. Education.
- ANTHONY JOSEPH PETER KURSVIETIS, of Baltimore, Md., M.S. Loyola College, 1972. Liberal Arts.
- ELIZABETH LAURA LATHROP, of Baltimore, Md., B.A. Hollins College, 1956; M.A. Inter-American University, 1966. Education.
- NICHOLAS THEODORE LEE, of Baltimore, Md., B.S. Morgan State College, 1966; M.S., 1973. Education.
- ALFARATA MCCARRIAR LETEOUR, of Baltimore, Md., B.S. The Johns Hopkins University, 1966; M.Ed., 1971. Education.
- ETHEL SHARP LINNEY, of Baltimore, Md., B.S. Coppin State College, 1971; M.S. The Johns Hopkins University, 1973. Education.
- LYNNE MONDELL LIPSITZ, of Baltimore, Md., B.A. University of Maryland, 1967; M.Ed. The Johns Hopkins University, 1971. Education.
- GEORGE DANIEL LISBY, of Aberdeen, Md., B.S. Bowie State College, 1953; M.A. North Carolina Central University, 1969. Education.
- EDWARD NEIL MAGNUS, of Baltimore, Md., B.A. St. Mary's Seminary and University, 1959; M.Ed. The Johns Hopkins University, 1971. Education.
- EARL THOMAS MATTHEWS, of Baltimore, Md., B.S. Coppin State College, 1968; M.Ed. The Johns Hopkins University, 1971. Education.
- ANITA MARIE MCCAIN, of Annapolis, Md., B.A. George Washington University, 1964; M.L.A. The Johns Hopkins University, 1968. Liberal Arts.
- WILBERT FRANKLIN MCINTYRE, of Columbia, Md., B.S. Winston-Salem State University, 1956; M.A. George Washington University, 1965. Education.
- LOIS MICKENS McMILLAN, of Baltimore, Md., M.A. Atlanta University, 1968. Liberal Arts.
- GERALD P. MOORE, of Reisterstown, Md., Iowa State University, 1970; M.S., 1971. Education.
- CLESTEE PRISCILLA MYERS, of Baltimore, Md., M.Ed. Loyola College, 1970. Education.
- ALICE OLIVE POOLE, of Lutherville, Md., M.Ed. University of Florida, 1958. Education.
- MARGARET DOROTHY SCHAFER, of Baltimore, Md., B.S. Trinity College, 1966; M.Ed. The Johns Hopkins University, 1973. Education.
- JAMES JOSEPH SCHILLER, of Baltimore, Md., M.A. New School for Social Research, 1967. Liberal Arts.
- ETHEL GUNDERSDORF SCHMITT, of Towson, Md., B.A. Towson State College, 1963; M.L.A. The Johns Hopkins University, 1966. Liberal Arts.
- JOAN ELLEN EISENBERG SCHNELL, of Phoenix, Md., M.A. T. Trinity College, 1971. Liberal Arts.
- JACK PHILLIP SHILKRET, of Arnold, Md., B.A. University of Maryland, 1964; M.Ed., 1968. Education.
- BARBARA DUTEMPLE SIEBENS, of Baltimore, Md., M.A. Columbia University, 1944. Education.
- DAVID YOUNG SIECK, of Baltimore, Md., M.Ed. Loyola College, 1970. Education.
- JOHN CHARLES SIMON, JR., of Baltimore, Md., B.A. University of Maryland, 1966; M.L.A. The Johns Hopkins University, 1972; M.Ed., 1974. Education.
- ROBERT JOHN STACK, of Silver Spring, Md., B.A. Washington and Lee University, 1968; M.Ed. The Johns Hopkins University, 1971. Education.
- SUSAN ROSE STEINBERG, of Baltimore, Md., B.S. Towson State College, 1970; M.Ed. University of Pittsburgh, 1971. Education.
- BARBARA JEAN URICHECK, of Baltimore, Md., B.S. University of Maryland, 1961; M.Ed. The Johns Hopkins University, 1970. Education.
- FRANCES MARIE USHER, of Baltimore, Md., M.A. Fairfield University, 1963. Liberal Arts.
- WILSON BOTHWELL WATSON, of Baltimore, Md., M.A. Morgan State College, 1968. Liberal Arts.
- CATHERINE ERIN WELLINGTON, of Bel Air, Md., B.A. Hood College, 1964; M.L.A. The Johns Hopkins University, 1972. Liberal Arts.
- FLORENCE JONES WESTFIELD, of Baltimore, Md., B.S. Morgan State College, 1967; M.Ed. The Johns Hopkins University, 1972. Education.
- ANNE MOORE WINDLE WINNER, of Reisterstown, Md., B.A. Swarthmore College, 1942; M.A. Bucknell University, 1961. Education.
- HARRIET STEUER YELLIN, of Baltimore, Md., B.A. Goddard College, 1968; M.Ed. The Johns Hopkins University, 1971. Education.
- BLANCHE HELEN YORK, of Baltimore, Md., M.S. Loyola College, 1972. Education.

MASTERS OF SCIENCE

in The School of Hygiene and Public Health

- LUDMILA V. ASHER, of Washington, D. C.; M. D. Leningrad Medical Institute of Sanitation and Hygiene, 1963. Pathobiology.
Virus and Antibody in Urine in a Chimpanzee Adenovirus Infection.
- JOHN GUSTAVE BOURGEOIS, of Baltimore, Md.; B. S. The Johns Hopkins University, 1972. Environmental Health.
Effects of Light on Biomphalaria Glabrata to Exposure with Schistosoma Mansoni Miracidia.
- A. K. M. ALAUDDIN CHOWDHURY, of Dacca, Bangladesh; B. S. Dacca University, 1957. Population Dynamics.
A Study of Neonatal and Post-neonatal Mortality Differentials in Rural Bangladesh.
- WILLIAM NEAL CRAMER, of Landisville, Pa.; B. A. Gettysburg College, 1967. Environmental Health.
Inactivation of Poliovirus and F2 Bacteriavirus by Chlorine and Iodine.
- LEWIS MITCHELL GWYNN JR., of Baltimore, Md.; B. S. Morgan State College, 1971. Public Health Administration.
The Decision to Treat the Adolescent 'Offender' in a Juvenile Court Service Program: Predictors of Mental Health Services.
- CLARE DRURY HUDSON, of Decatur, Ga.; B. S. Emory University 1973. Pathobiology.
The Response of Neonatal Fibroblasts to BKV Virus, a Human Papovavirus.
- MOHAMMED ABDURRAHMAN ISSA, of Riyadh, Saudi Arabia; B. S. University of Riyadh, 1969. Pathobiology.
Studies on the Genetic Relationships of Aedes (Stegomyia) cooki Belkin and Aedes (Stegomyia) tabu Edwards.
- BRUCE STEPHEN JONAS, of Baltimore, Md.; B. A. The Johns Hopkins University, 1972. Biostatistics.
Maternal Smoking and Perinatal Mortality.
- ELIZABETH JANE KRAMER, of York, Pa.; B. A. New York University, 1963. Epidemiology.
An Epidemiologic Evaluation of an Experimental Course in Pathophysiology.
- KANG SUN LEE, of Baltimore, Md.; B. A. The Johns Hopkins University, 1973. Epidemiology.
The Separation of Embryonic and Adult Chicken Hemoglobin by Isoelectric Focusing in Polyacrylamide Gels.
- ELLEN JANE MACKENZIE, of Lincoln University, Pa.; B. A. Douglass College, 1972. Biostatistics.
A Method for Comparing Surgical Rates Among Hospital Service Areas as Applied to Hysterectomies Performed in Vermont.
- JANE LISA MOORE, of Waterville, Maine; B. A. Elmira College, 1970. Public Health Administration.
A Study of Auditory Discrimination by AER to Frequency Modulation.
- A. K. SRINIVAS MURTHY, of Punjab, India; B. S. Osmania University, 1953; B. A., 1955; M. A., 1958. International Health.
Evaluation of the Family Health Worker, an Auxiliary in the Delivery of Health Services in a Rural Community.
- ELLEN JANE PERCY, of Twinsburg, Ohio; B. A. Bucknell University, 1972. Population Dynamics.
An Evaluation of Brass Mortality Estimates Under Conditions of Declining Mortality.
- CAROLINE ROTH PETIT, of Washington, D. C.; B. A. Chatham College, 1968. Public Health Administration.
The Effects of a Health Department Training Program on Community Aides.
- LENITA HELEN THIBAUT, of North Little Rock, Ark., B. A. Vanderbilt University, 1972. Biostatistics.
A Comparison of Three Techniques for Estimating Probability Densities.
- SHERRY LINDELL WALTHER, of Roseburg, Oregon; B. A. University of Washington, 1971. Public Health Administration.
Speech and Language Development in the Infant and the Emerging Prosody.
- LOYD JAMES WOLLSTADT, of Pittsburgh, Pa.; B. A. College of Wooster, 1963; M. D. University of Pittsburgh, 1967. Health Care Organization.
Disenrollment From a Prepaid Group Practice by a Medicaid Population.
- RICHARD HENRY WONG, of Bangor, Maine; B. A. University of Maine, 1970. Biostatistics.
Relationship of Alcoholism and Mental Health in Two Populations: Washington County, Maryland and Kansas City, Missouri.

TSERING YANGDON, of Exeter, N. H.; B. S. University of New Hampshire, 1972. Public Health Administration.

Patterns of Knowledge About Treatment and Outcomes of Hypertension Among Hypertensive Outpatients of Two Johns Hopkins Hospital Clinics.

PRISCILLA ZIEGLER, of Baltimore, Md., B. A. Michigan State University, 1966. Population Dynamics.

An Investigation of the Relationship Between Childhood Mortality and Maternal Knowledge, Approval, and Practice of Family Planning.

MASTERS OF HEALTH SCIENCE

in The School of Hygiene and Public Health

CALVIN C. ADAMS, of Petersburg, Fla., B. A. University of South Florida, 1973. Administration of Alcoholism.

ANNA MATHILDA BARISH, of Rockville, Md., B. S. University of Maryland, 1973. Dental Public Health.

JOSEPH HOWARD BEARD III, of Gambrills, Md., B. S. University of Maryland, 1971. Environmental Health.

WILLIAM MCCARTY BECKNER, of Laredo, Missouri, B. S. George Washington University, 1967. Environmental Health.

EDWIN CULLEN BOWERS, of Sebring, Fla., B. S. Florida State University, 1960; M. S. W., 1961. Administration of Alcoholism.

ADAM K. BRECKENRIDGE, of Crofton, Md., B. S. U. S. Military Academy at West Point, 1939. Administration of Alcoholism.

WILLIAM E. BRUZY, of Jackson, Michigan, B. S. Michigan State University, 1972. Administration of Alcoholism.

PAUL ERNEST CAMPBELL, of Wheaton, Md., B. S. George Washington University, 1973. Environmental Health.

DAVID D. CELENTANO, of Baltimore, Md., B. A. The Johns Hopkins University, 1973. Administration of Alcoholism.

JUDITH PAGE CLARK, of Baltimore, Md., B. A. Mount Holyoke College, 1962. Biostatistics.

NOREEN CONSIDINE, of Arlington, Va., B. A. Wilkes College, 1966. Environmental Health.

THOMAS KARL CROOK, of Baltimore, Md., B. S. University of Baltimore, 1973. Administration of Alcoholism.

PAULA FELTON, of Teaneck, N. J., B. A. George Washington University, 1973. Comprehensive Health Planning.

KENNETH EUGENE FOSS II, of Baltimore, Md., B. S. Virginia Polytechnic Institute, 1969. Environmental Health.

HERSCHEL GLOGER, of Baltimore, Md., B. A. University of Maryland, 1971. Comprehensive Health Planning.

JOSEPH SOLOMON GOLDMAN, of Oak Park, Michigan, B. A. Wayne State University, 1967; M. B. A., 1971. Operations Research.

INGE MARIE HANSEN, of Donnellson, Iowa, Med. Tech. Department of Clinical Chemistry, Blegdamshospt, 1960. Epidemiology.

EUGENIA BARKER HARPER, of Baltimore, Md., B. A. Skidmore College, 1973. Environmental Health.

ROBERT THOMAS HARRIS, of Durham, N. C., B. S. Duke University, 1970. Administration of Alcoholism.

ELIZABETH BAKER HARVEY, of Baltimore, Md., B. A. Goucher College, 1968. Environmental Health.

THOMAS LEE HESS, of Bel Air, Md., B. S. Lebanon Valley College, 1956. Environmental Health.

E. PAUL HOOVER, of Columbia, Md., B. A. Bethel College, 1964. Administration of Alcoholism.

DANIEL JURICIC, of Santiago, Chile, C. E. University of Chile, 1970. Environmental Health.

MICHAEL J. KEANE, of Brooklyn, N. Y., B. S. St. Peter's College, 1964. Comprehensive Health Planning.

BARBARA C. KENNEY, of Brookfield, Wis., B. A. Wellesley College, 1970. Comprehensive Health Planning.

SHIRA KRAMER, of Baltimore, Md., B. A. The Johns Hopkins University, 1973. Human Genetics.

RANJIT KUMAR, of Himachal Pradesh, India, B. A. Government College, 1962; M. A. Delhi School of Social Work, 1965. International Health.

JAMES MICHAEL LANDIS, of Leola, Pa., B. A. Dickinson College, 1971. Administration of Alcoholism.

ERIC SIMON LIPSETTS, of Baltimore, Md., B. A. Antioch College, 1972. Comprehensive Health Planning.

MACK CURTIS MCCOY, of San Francisco, Cal., B. A. San Francisco State College, 1949; M. P. H. University of California, 1970. International Health.

- DANIEL LEE MCGEE, of Kensington, Md., B. A. University of California, 1970; M. A., 1971. Biostatistics.
- NANCY MAUREEN MCMAHON, of Denver, Colorado, B. A. Manhattanville College, 1969; M. A. New York University, 1971. Comprehensive Health Planning.
- SHIRLEY MCNAMARA, of Baltimore, Md., B. S. Morgan State College, 1962; M. S. Ohio University, 1963. Biostatistics.
- JAN MELHUNEK, of Newark, Del., B. S. Muhlenberg College, 1972. Comprehensive Health Planning.
- LYDIA WENGERT PENDLEY, of Bethesda, Md., A. B. University of California, 1965; M. A. Northwestern University, 1965. Comprehensive Health Planning.
- NANCY R. PIELEMEIER, of Washington, D. C., B. A. Knox College, 1967. Comprehensive Health Planning.
- WALTER ELMER RAUM, of Leonardtown, Md., B. S. University of Maryland, 1957. Environmental Health.
- STEVEN HAROLD REIBER, of Warren, Michigan, B. S. University of Michigan, 1972. Environmental Health.
- JOHN HAMILTON ROBINETTE, of Herald Harbor, Md., B. S. University of Baltimore, 1964; M. S. Coppin State College, 1972. Mental Hygiene.
- CAROL J. SHEEHAN, of Baltimore, Md., B. S. N. University of Maryland, 1968. Administration of Alcoholism.
- GEORGE RICHARD SIMPSON, of Baltimore, Md., B. S. Elizabeth City State University, 1964. Environmental Health.
- BETSY WOLF STEPHENS, of Gaborone, Botswana, B. A. Barnard College, 1959. International Health.
Attitudes and Child Rearing Practices of Fathers of
- HARRIS EDMUND TAYLOR, of Bridgeville, Del., B. A. New College, 1972. Administration of Alcoholism.
- MARGARET ANNE MITCHELL VANAMRINGE, of Nashua, N. H., B. A. Albertus Magnus College, 1970. Comprehensive Health Planning.
- JOSEPH H. WALTER, of Baltimore, Md., B. S. Loyola College, 1969. Environmental Health.
- LINDA ANN WARREN, of Cambridge, Mass., B. A. Vassar College, 1971. Comprehensive Health Planning.
- CAROL ELLEN WEINRIB, of Cambridge, Mass., B. A. Carnegie-Mellon University, 1971. Comprehensive Health Planning.
- YIH-SHYONG WENG, of Taipei, Taiwan, B. S. National Chung-Hsing University, 1962. Biostatistics.

MASTERS OF PUBLIC HEALTH

in The School of Hygiene and Public Health

- DORIS MARY ABBOTT, of Wenonah, N. J., R. N. St. Agnes Hospital School of Nursing, 1960; B. S. N. Incarnate Word College, 1970.
- BARBARA SUZANNE ADAMS, of Rochester, N. Y., B. S. State University of New York at Buffalo, 1966.
- ROBERT L. S. BAIRD, of Guyana, South America, B. S. Howard University College of Liberal Arts, 1947; M. D. Howard University College of Medicine, 1951.
- JOHN WILLIAM BALABAN, of Ft. Lauderdale, Fl., D. D. S. West Virginia University School of Dentistry, 1967.
- MICHAEL MITCHELL BELENKY, of Birmingham, Mi., B. A. Virginia Military Institute, 1955; D. D. S., University of Michigan School of Dentistry, 1961.
- MICHAEL WILLIAM BENENSON, of Lexington, Ky., B. A. Cornell University, 1963; M. D. University of Maryland School of Medicine, 1968.
- STERLING E. BENTLEY, of Baltimore, Md. B. B. A. Marshall University, 1962.
- DENNIS A. BERTRAM, of Stamford, Ct., B. A. Indiana University, 1970; M. D. Washington University School of Medicine, 1974.
- SHEILA TEAGUE BOWMAN, of Baltimore, Md., R. N. The Johns Hopkins University School of Nursing, 1967; B. A. University of Maryland, 1973.
- DELSADIE PULLAR CALLINS, of Jamaica, West Indies, M. B. B. S. University of the West Indies, 1971.
- LEAH R. CAMP, of Baltimore, Md., B. A. Hood College, 1942; M. D. University of Maryland School of Medicine, 1945.
- MADGE HAYWORTH CARRICO, of Nokesville, Va., B. S. N. University of Virginia School of Nursing, 1970.
- CORA LE ETHEL CHRISTIAN, of St. Thomas, Virgin Islands, B. S. Marquette University, 1967; M. D. Jefferson Medical College, 1971.
- JUDITH A. COLLA, of Philadelphia, Pa., B. S. N. Villanova University College of Nursing, 1965.
- NEVILLE KENNETH CONNELL, of Washington, D. C., B. S. Howard University; 1966; M. D. Howard University School of Medicine, 1971.
- N. VAUGHN COOPER, of Riceboro, Ga., B. S. Howard University, 1969; M. D. Howard University School of Medicine, 1973.

- LINDA DEMETRY COWAN, of Hyattsville, Md., B.S. Michigan State University, 1970; M.S. University of Maryland, 1972.
- BASIL GEORGE DELTA, of Falls Church, Va., M.D. University of Istanbul, 1952.
- PARK ELLIOTT DIETZ, of Camp Hill, Pa., A.B. Cornell University, 1970.
- ROGER DIXON, of New York, N.Y., B.S. University of Manchester, 1962.
- GAYLE H. ELIASON, of Delta, Ut., B.S. University of Utah, 1971.
- ROBERT NELSON EVANS, of Rockville, Md., B.S. North Carolina A & T University, 1958.
- J. RAMSAY WADY FARAH, of Broummana, Lebanon, B.S. American University of Beirut, 1966; M.D. American University of Beirut School of Medicine, 1972.
- DOLORES LUCILLE FARR, of Kensington, Md., B.S.N. Indiana University School of Nursing, 1954.
- LUDA C. FARR, of Burtonsville, Md., R.N. St. Elizabeth's Hospital School of Nursing, 1951; B.S. University of Pittsburgh, 1955.
- MARY PAULINE FEENEY, of South Bend, Ind., B.S.N. Georgetown University School of Nursing, 1973.
- AUDREY COOK FERGUSON, of Baltimore, Md., R.N. Provident Hospital School of Nursing, 1951; B.S. The Johns Hopkins University, 1966.
- PATRICIA ANN FORD, of Snow Hill, Md., B.S.N. University of Nebraska College of Nursing, 1966.
- CHARLES A. GARRETT, of Harper, Ore., B.S. Oregon State University, 1955; D.V.M. Washington State University, 1959.
- ELIZABETH F. GILBERT, of Dorset, Vt., B.A. Wellesley College, 1951; M.A. University of Michigan, 1955; Ph.D. 1959.
- MARIO GONZALEZ, of Altahabana, Cuba, M.D. Habana University School of Medicine, 1969.
- J. W. RICHARD HARDING 3rd, of Roxboro, N.C., B.A. Lafayette College, 1959; M.D. University of Pennsylvania School of Medicine, 1963.
- DEBRA LUCILLE HARR, of Petersburg, W. Va., B.S.N. West Virginia University, 1972.
- MAUREEN ISABELLE HARRIS, of Washington, D.C., B.S. George Washington University, 1964; Ph.D. Yale University, 1968.
- KENNETH WAYNE HART, of Riverside, Cal., B.A. Walla Walla College, 1965; M.A. Loma Linda University, 1969; M.D., 1969.
- MYRON EDWIN HATCHER, of Flagstaff, Ariz., B.S. University of Toledo, 1968; M.S., 1969; M.S. University of Michigan, 1972.
- BETTE GABBARD HINTON, of Booneville, Ky., B.A. University of Kentucky, 1968; M.D. University of Louisville School of Medicine, 1973.
- RICHARD ANTHONY HODDER, of Rochester, N.Y., A.B. University of Notre Dame, 1962; M.D. Cornell University Medical College, 1966.
- ELIN A. HOLGREN, of Gaithersburg, Md., B.S.N. Hartwick College, 1964.
- JANET CLEAR HORAN, of Columbia, Md., R.N. St. Vincent's Hospital and Medical Center School of Nursing, 1966; B.S.N. University of Pennsylvania School of Nursing, 1969.
- RICHARD ALEXSANDER ILKA, of Potomac, Md., B.S. Wayne State University, 1964; M.D. Stanford University School of Medicine, 1973.
- ROY TZE-CHUEN ING, of San Francisco, Cal., B.S. University of California, 1969; M.D. University of California Medical Center, 1973.
- WILMAR BRUCE JANSMA, of Hull, Iowa, B.A. Dordt College, 1966; Ph.D. Iowa State University, 1971.
- DENNIS ROBERT JOHNSON, of Statesville, N.C., B.S. St. Joseph's College, 1969; M.D. University of North Carolina School of Medicine, 1973.
- VOLVICK REMY JOSEPH, of Port au Prince, Haiti, M.D. Faculte de Medicine d' Haiti, 1956.
- LORETTA JOAN KADEHJIAN, of Silver Spring, Md., R.D.H. Forsyth School of Dental Hygiene, 1956; B.S. Ed. Boston University School of Education, 1958.
- NANDITA KIELMANN, of Baltimore, Md., B.S. Presidency College, 1954; M.S. Calcutta University, 1956.
- CHARLOTTE ELIOPOULOS KOPELKE, of Baltimore, Md., B.S.N. The Johns Hopkins University, 1973.
- MELVIN NELSON KRAMER, of Highland Park, N.J., B.A. Rutgers University, 1973.
- BRIGITA KROMPHOLZ, of Towson, Md., M.D. Charles University School of Medicine, 1957.
- W. ROBERT LANGE, of Baltimore, Md., B.S. The Johns Hopkins University, 1967; M.D. The Medical College of Wisconsin, 1973.
- EL FADIL SAEED ABDEL LATEEF, of Omdurman, Sudan, M.B. B.S. University of Khartoum School of Medicine, 1957; M.R.C.O.G. Welsh National School of Medicine, 1965.
- SANFORD SCOTT LEFFINGWELL, of Gaithersburg, Md., B.A. Harvard College, 1961; M.D. University of Colorado School of Medicine, 1965.

- SUSAN EASTMAN LEONE, of East Lansing, Mi., B. A. Kalamazoo College, 1968; M. A. Michigan State University, 1973.
- RAGNHILD E. LILLJEKVIST, of Stockholm, Sweden, M. D. University of Uppsala, 1950.
- LINDA S. LONSDALE, of Denver, Co., B. S. Loma Linda University, 1967; M. S. University of California, 1968.
- SYARIF HUSIN LUBIS, of Medan, Indonesia, M. D. University of North Sumatra, 1972.
- KIYOHICO MABUCHI, of New York, N. Y., M. D. Osaka University Medical School, 1966.
- DIONE SANTA MAHONEY, of Washington, D. C., B. S. N. The Catholic University of America, 1970.
- YOUNUS FAZAL MASIH, of Punjab, India, M. B. B. S. Christian Medical College, 1967; M. D., 1973.
- DIANE C. McALLISTER, of Elyria, Oh., B. S. N. St. John College of Cleveland, 1967.
- MOHAMMAD TAGHI MOAZAMI, of Shiraz, Iran, M. D. Pahlavi University School of Medicine, 1971.
- WARREN MICHAEL MORGANSTEIN, of Baltimore, Md., B. S. University of Maryland, 1966; D. D. S. University of Maryland School of Dentistry, 1969.
- PAUL DUNBAR MORRIS, of Baltimore, Md., B. A. Antioch College, 1972.
- JUAN EDUARDO MUNIZAGA, of Santiago, Chile, M. D. University of Chile School of Medicine, 1969.
- KARIM AHMAD NADER, of Shiraz, Iran, M. D. Pahlavi University School of Medicine, 1971.
- JUNG-HAN PARK, of Keong Buk Province, Korea, B. A. Keong Buk National University, 1970; M. D. Keong Buk National University Medical College, 1970; M. M. Keong Buk National University, 1973.
- JOAN MARIE PERRAULT, of Alexandria, Va., B. S. N. University of Connecticut School of Nursing, 1966.
- RITA S. PLYER, of Annapolis, Md., B. S. N. University of Massachusetts, 1970.
- RAMON F. PRADO, of Habana, Cuba, M. D. University of Habana School of Medicine, 1973.
- GENEROSA SOLER RADER, of San Diego, Ca., B. A. Washington Square College, 1956; B. S. N. Cornell University School of Nursing, 1960.
- LAURA RAO, of Hyderabad, A. P. India, B. S. Osmania University, 1958; M. B. B. S., 1963.
- ABIOLA JEMILIA REFFELL, of Lagos, Nigeria, M. B. B. S. University of Lagos College of Medicine, 1971.
- MARGARET JOYCE RELYEA, of Ontario, Canada, B. S. N. University of Toronto School of Nursing, 1959.
- RICHARD KENNETH RIEGELMAN, of Silver Spring, Md., M. D. University of Wisconsin Medical School, 1973.
- KNUT RINGEN, of Richmond, Va., B. S. State University of New York College at Oneonta, 1973; M. H. A. Virginia Commonwealth University Medical College of Virginia, 1974.
- VINCENT CARLTON ROGERS, of Baltimore, Md., B. A. University of Maryland, 1966; D. D. S. University of Maryland School of Dentistry, 1971.
- DEBRA LYNN ROTER, of Brooklyn, N. Y., B. A. University of California, 1971; M. S. Hunter College of the City University of New York, 1974.
- EDGAR EDWIN ROULHAC, of Carbondale, Il., B. S. Southern Illinois University, 1969; M. S., 1970; Ph. D., 1973.
- JUDITH DIANE RUBIN, of Columbia, Md., A. B. Bryn Mawr College, 1964; M. D. University of Pennsylvania Medical School, 1969.
- ARIATEDJA SABIRIN, of Jakarta, Indonesia, M. D. Airlangga University, 1967.
- K. P. B. SAGOE, of Lagos, Nigeria, M. D. Pavlov Medical Institute, 1972.
- ABDUL BARI SAIFUDDIN, of Jakarta, Indonesia, M. D. University of Indonesia School of Medicine, 1965.
- JANIS ELAINE SALTSMAN, of Oxon Hill, Md., R. N. Hospital of the University of Pennsylvania, 1957; B. S. N. University of Maryland School of Nursing, 1972.
- IRENE OLIVIA ADELIDE SANDVOLD, of Boulder, Co., B. S. University of Wisconsin, 1960; M. S. The Catholic University of America, 1968.
- MATHURAM SANTOSHAM, of Baltimore, Md., M. B. B. S. University of Madras Faculty of Medicine, 1970.
- MARTHINE H. SAVOY, of Washington, D. C., B. A. Howard University, 1972.
- YAW TANG SHIH, of Taipei, Taiwan, M. B. National Defense Medical Center, 1967; M. P. H. Institute of Social Medicine National Defense Medical Center, 1969.
- HOWARD BURTON SILVERMAN, of Baltimore, Md., A. B. University of Baltimore, 1965; M. S. Morgan State College, 1967.
- BURTON SINGERMAN, of Shaker Heights, Oh., B. A. Case Western Reserve University, 1969; M. D. Harvard Medical School, 1973.
- EDNA A. SMITH, of Charleston, W. Va., B. S. University of Virginia School of Nursing, 1973.
- GARY HUGH SPIVEY, of Finksburg, Md., A. B. University of California, 1965; M. D. University of California School of Medicine, 1969.

- CAROLINE A. STEELE, of Riverdale, Md., B.S. University of Maryland, 1969.
- GORDON DOUGLAS STRICKLAND, of Gadsden, Al., B.S. University of Arizona, 1964.
- BERNADETTE MAUREEN SULLIVAN, of New York, N.Y., R.N. Mary Immaculate Hospital School of Nursing, 1957; B.S. Hunter College, 1973.
- CHRISTINE MARJORIE THOMAS, of Portland, Or., B.S.N. University of Washington, 1966.
- VERONICA THERESE TINSETH, of Timonium, Md., B.S. College of St. Joseph, 1970.
- HUMBERT MARCEL TJON JAW CHONG, of Paramaribo, Surinam, M.D. Geneeskundige School, 1972.
- DUSDEE TRAI DHARM, of Lopburi, Thailand, M.D. Mahidol University Faculty of Medicine, 1959; D.T.M.&H. Mahidol University Faculty of Tropical Medicine, 1972.
- DOROTHY J. TURNER, of Nashville, Tn., B.A. Vanderbilt University, 1949; M.A., 1951; M.D. Vanderbilt University School of Medicine, 1959.
- PHYLLIS M. WILLIAMS, of Olmsted, Oh., B.A. University of Oklahoma, 1963; M.A., 1965; Ph.D., 1970.
- ELIZABETH ANN WILLIAMSON, of Chevy Chase, Md., B.S.N. Columbia Union College, 1971.
- PHILIP CHARLES WILSON, of Williamsburg, Va., B.A. St. Mary's University of San Antonio, 1960; M.D. University of Texas School of Medicine, 1964.
- CARY LAYNE YOUNG, of Lutherville, Md., B.A. Stanford University, 1967; M.D. Baylor College of Medicine, 1971.
- SUSAN JOSEPHINE ZATOR, of Union, N.J., B.A. Rivier College, 1966; B.S.N. Columbia University, 1971.
- NAOMI ZERHUSEN, of Baltimore, Md., B.S.N. Mt. Saint Agnes College, 1950; M.S.N. The Catholic University of America, 1956.

MASTERS OF ARTS

in The School of Advanced International Studies

- DONALD SEAN ABELSON, of Roslyn Heights, N.Y., B.A. Sarah Lawrence College, 1972.
- RICHARD WILLIAM BALSAMO, of Northport, N.Y., B.A. The Johns Hopkins University, 1975.
- STEPHEN OLAYINKA BAMIDURO, of Lagos, Nigeria, B.A. Howard University, 1972.
- MARYSE HELENE BAPTISTE, of Teaneck, N.J., B.A. Yale University, 1972; C.E.P. Institut d'Etudes Politiques, 1973.
- MARY ANGELA BARBERIS, of Modesto, Calif., B.A. University of San Francisco, 1972.
- WILLIAM LEE BARKAS, of Kalama, Wash., B.A. Gonzaga University, 1971.
- BRAIN TIMOTHY BENNETT, of Granville, Ohio, B.A. DePauw University, 1973.
- CATHERINE PATRICIA BENNETT, of Washington, D.C., B.A. Smith College, 1971.
- CAROL ELIZABETH BRAY, of Green Lane, Penna., B.A. Ursinus College, 1973.
- STEPHEN PAUL BREDEN, of Alamogordo, N.M., B.A. University of New Mexico, 1972.
- PATRICIA EILEEN BRENNAN, of Waterbury, Conn., B.A. Tufts University, 1973.
- NICHOLAS RICHARD BURNETT, of Oxford, England, B.A. Oxford University, 1971.
- JOHN LOWELL BUTLER, of Alexandria, Va., B.A. St. Ambrose College, 1971.
- CARL DOUGLAS BYERS, of Fullerton, Calif., B.A. Westmont College, 1972.
- ELIZABETH BAXTER CALDWELL, of Sioux City, Iowa, B.A. Carleton College, 1973.
- PATRICK KERRY CAMERON, of Charlotte, N.C., B.A. The Johns Hopkins University, 1974.
- CANDACE CATHERINE CARMAN, of Altamont, N.Y., B.A. Smith College, 1973.
- JEFFREY SCOTT CARROLL, of East Williston, N.Y., B.A. Wittenberg University, 1971.
- GUIDO EDUARDUS HELENA COLE, of Antwerp, Belgium, licentiate St. Ignatius University, 1966.
- ROGER BARRY COOPER, of Shaker Heights, Ohio, B.A. Hiram College, 1970.
- MARC J. J. CORDES, of Versailles, France, B.A. The George Washington University, 1973.
- CHRISTOPHER YATES CROCKETT, of Ipswich, Mass., B.A. University of Virginia, 1969.
- THOMAS PEASE CUTLER, of Farmington, Conn., B.A. Yale University, 1968.
- ELISABETH JEANINE DAUBARD, of Dannemoine, France, Licence Sorbonne, 1972, Diplome, 1973.

- LESLIE DELATOUR, of Port-au-Prince, Haiti, B. Sc. University of Montreal, 1971, M. A., 1973.
- SCOTT CAMPBELL DENNIS, of Yellow Springs, Ohio, B. A. The Johns Hopkins University, 1973.
- ROYSTON OSWALD DESOUSA, of Georgetown, Guyana, B. S. D. C. Teacher's College, 1973.
- DAVID DREXLER, of North Hollywood, Calif., B. A. University of California, Los Angeles, 1972.
- DONALD WAYNE EISS, of Staten Island, N. Y., B. A. Hobart College, 1973.
- STEVEN THOMAS ERNST, of Scarsdale, N. Y., B. A. Lehigh University, 1970.
- MARY PATRICIA FACKELMAN, of Albuquerque, N. M., B. A. University of New Mexico, 1973.
- FOWZI ELIAS FARAH, of Beirut, Lebanon, B. A. California State University, 1973.
- KEVIN FRANCIS FETHERSTONHAUGH, of Arlington, Va., B. A. University of California, San Diego, 1972.
- NATHANIEL FIELDS, of Canton, Ohio, B. A. Bluffton College, 1971.
- JAMES PHILIP FINKEL, of Elizabeth, N. J., B. A. Rutgers College, 1973.
- LUCIA ANNE FITZGERALD, of Overland Park, Kansas, B. A. Barat College, 1973.
- CLAUDIA ENGELMAN FLISI, of Trenton, N. J., B. A. Mount Holyoke College, 1970.
- REINHARD WALTER FÜRSTENBERG, of Berlin, Germany, Diploma University of Bielefeld, 1973.
- EDWARD FRANCIS GAFFNEY, of Washington, D. C., B. A. University of Maryland, 1973.
- MOHAMMAD NASSER GHOSHBEIGUI, of Teheran, Iran, B. A. Brigham Young University, 1962.
- JANICE ELLEN GLASER, of Huntington Station, N. Y., B. A. Tufts University, 1972.
- IRA N. GLAUBER, of New York, N. Y., B. A. State University of New York, Buffalo, 1973.
- GUNTER HARALD GLOCKER, of Hagerstown, Md., B. A. The Johns Hopkins University, 1974.
- ANDREW LEWIS ALLEN GOODMAN, of Riverdale, N. Y., B. A. Yale University, 1973.
- PANAGIOTIS LAMBROS GOUMAS, of Athens, Greece, Diplom-Volkswirt, University of Munich, 1968.
- LAWRENCE I. GROSSMAN, of Reseda, Calif., B. A. University of California, Santa Barbara, 1972.
- GEIR HILMAR HAARDE, of Reykjavik, Iceland, B. A. Brandeis University, 1973.
- LAWRENCE MELVILLE HANNAH, of New Westminster, B. C., Canada, B. A. Simon Fraser University, 1970.
- STEPHEN MICHAEL HARNER, of Atwater, Calif., B. A. San Diego State University, 1972.
- SHARON ELAINE HEWITT, of Memphis, Tenn., B. A. Macalester College, 1973.
- ROBERT JOHN HILDRETH, of Melrose, Mass., B. A. Harvard College, 1972.
- VICKI J. HUDDLESTON, of Washington, D. C., B. A. University of Colorado, 1964.
- SHAUKAT AFZAL HUSAIN, of Karachi, Pakistan, B. A. University of Keele, 1973.
- ROBERT WARREN JENKINS, of Berea, Ohio, B. A. The American University, 1973.
- YOSHIYUKI KANESHIGE, of Fukuoka, Japan, LLB Kyoto University, 1969.
- LLOYD SHELDON KAUFMAN, of Silver Spring, Md., B. A. Springfield College, 1969.
- LISA MORELLI KENNEDY, of Washington, D. C., B. A. Mount Holyoke College, 1973.
- PAUL CRAIG KINSINGER, of Okemos, Mich., B. A. University of California, Berkeley, 1972.
- MARY ANN KNOTTS, of Oakland, Calif., B. A. University of California, Santa Barbara, 1970.
- ALAN KONEFSKY, of Philadelphia, Penna., B. A. Princeton University, 1973.
- KEVIN LESLIE KRAMER, of Ithaca, N. Y., B. S. Cornell University, 1973.
- MARNIX KROP, of Bussum, The Netherlands, LL. M. University of Groningen, 1972.
- SYLVIE BEATRICE KULKIN, of Los Angeles, Calif., B. A. University of California, Los Angeles, 1973.
- CRAIG WAYNE LARIMER, of Colorado Springs, Colo., B. A. Pomona College, 1973.
- MARION LEE LAYTON, of Mendenhall, Penna., B. A. Mount Holyoke College, 1973.
- JULIEN LEBOURGEOIS, of Newport, R. I., B. A. Princeton University, 1973.
- LESTER PRESTON LEE, of Cambridge, Mass., B. A. Antioch College, 1972.
- JOHN LENCZOWSKI, of Berkeley, Calif., B. A. University of California, Berkeley, 1972.
- FLORIZELLE BRATHWAITE LISER, of Brooklyn, N. Y., B. A. Dickinson College, 1973.
- TIMOTHY JOHN LOMPERIS, of Elmhurst, Ill., B. A. Augustana College, 1973.

- JANE LYNWOOD LOWREY, of Houston, Texas, B. A. University of Texas, 1973.
- LINDA ANN MABRY, of New York, N. Y., B. A. Mount Holyoke College, 1973.
- RICHARD DOYLE MAHONEY, of Phoenix, Ariz., B. A. Princeton University, 1973.
- SVEN THEUS MALMBERG, of Stockholm, Sweden, Fil. Kand. University of Stockholm, 1972.
- KATHLEEN JOYCE MALOCH, of W. Covina, Calif., B. A. University of California, Davis, 1973.
- DANE STEVEN MCGUIRE, of Fresno, Calif., B. A. The Citadel, 1970.
- DOUGLAS WARREN MCMINN, of Washington, D. C., B. A. Gustavus Adolphus College, 1969; M. L. A. The Johns Hopkins University, 1972.
- AMPARO MENENDEZ-BRAGA, of Minneapolis, Minn., B. A. University of Minnesota, 1973.
- LEO GABRIEL MICHEL, of Pittsburgh, Penna., B. A. Princeton University, 1969.
- MARY DEBORAH MILLS, of Teculigalpa, Honduras, B. A. Connecticut College, 1973.
- ROBERT ELVEN MITCHELL, of Adelphi, Md., B. A. The Johns Hopkins University, 1973.
- FERNANDO MARIO LUIS MORALES-MACEDO, JR., of Silver Spring, Md., B. A. The Johns Hopkins University, 1973.
- PEGGY JOANNE NELSON, of Great Falls, Mont., B. A. Barnard College, 1972.
- SUSAN DOROTHY NICHOLSON, of Chittenango, N. Y., B. A. Syracuse University, 1973.
- JONATHAN HARVEY NOWICK, of Scarsdale, N. Y., B. A. The Johns Hopkins University, 1974.
- DAVID ALLAN OLIVE, of Evergreen Park, Ill., B. S. F. S. Georgetown University, 1973.
- THOMAS EDWARD PARK, of Bethesda, Md., B. A. Denison University, 1962.
- CONRAD EARL PEARSON, of Tigard, Ore., B. A. Portland State University, 1973.
- VERNON DANIEL PEOPLES, JR., of Cincinnati, Ohio, B. A. Wittenberg University, 1971.
- MILAN PETROVIC, of Beograd, Yugoslavia, Graduate in Law, University of Belgrade, 1966.
- ANN LOUISE PHILLIPS, of Findlay, Ohio, B. A. Denison University, 1970.
- SHIRLIE CAROLE PINKHAM, of Hyattsville, Md., B. A. Catholic University, 1972.
- THOMAS ELIOT POPOVICH, of Laguna Beach, Calif., B. A. Harvard College, 1969.
- DOMINIQUE P. PRAT, of Le Puy, France, D. E. E. G. University of Clermont, 1973.
- CARL ANTHONY PRYOR, of Washington, D. C., B. A. Franklin & Marshall College, 1973.
- RICHARD CARTER RAYMOND, of Litchfield, Conn., B. A. The Johns Hopkins University, 1974.
- PATRICIA ANNE REVEY, of Alexandria, Va., B. A. The George Washington University, 1967; M. A. T. Fordham University, 1968.
- PAUL ALAN RICHARD, of Livonia, Mich., B. A. Eastern Michigan University, 1968.
- GAYNOR RICHARDS STRICKLER, of Rosemont, Penna., B. A. Mount Holyoke College, 1973.
- THOMAS B. ROBERTSON, of Baltimore, Md., B. A. Princeton University, 1973.
- THOMAS EARL ROSCHKE, of Nederland, Texas, B. A. Concordia College, 1970.
- JULIA STUART ROSE, of Wilmington, Del., B. A. Williams College, 1972.
- CHRISTA KATHLEEN ROUSH, of Falls Church, Va., B. A. California Lutheran College, 1973.
- MARSHA ANNE RYAN, of San Francisco, Calif., B. A. University of San Francisco, 1973.
- DEAN MOORE SAGAR, of Monterey Park, Calif., B. A. University of Redlands, 1969.
- MARIA SANCHEZ GORE, of Magayuez, Puerto Rico, B. A. Trinity College, 1973.
- JEAN MARIE SARETSKY, of Humboldt, Sask., Canada, B. A. University of Saskatchewan, 1972.
- ELIZABETH CATHERINE SCHEETZ, of Seattle, Wash., B. A. Manhattanville College, 1972.
- SANDRA JAY SCHWARTZ, of Hicksville, N. Y., B. A. Sweet Briar College, 1973.
- NORMAN J. T. SCOTT, of Cortland, N. Y., B. A. Ohio Wesleyan University, 1971.
- NANCY ELIZABETH SMITH, of McLean, Va., B. A. The American University, 1973.
- RONALD LEW SORIANO, of San Jose, Calif., B. A. University of California, Davis, 1972.
- ELDA I. STIFANI, of Gornate Olona, Italy, Laurea University of Milan, 1973.
- BRUCE EDWARD STOKES, of Butler, Penna., B. S. F. S. Georgetown University, 1970.
- CHI SU, of Taipei, Taiwan, B. A. National Cheng-Chi University, 1971.
- JAMES E. SULTON, JR., of Orangeburg, S. C., B. A. Howard University, 1973.

MOTOYUKI TAKAMATSU, of Osaka City, Japan, B.A. Ritsumeikun University, 1970.

JEAN-LOUIS HENRI TERRIER, of Paris, France, Diploma Institut d'Etudes Politiques, 1969; D.E.S. Faculte de Droit et Sc. Eco. de Paris, 1970.

JUANITA MARIE TERRY, of Washington, D.C., B.A. Wilberforce College, 1972.

JOHN MICHAEL TIDD, of Alhambra, Calif., B.A. Occidental College, 1973.

PETER LAWRENCE TROPPER, of Birmingham, Ala., B.A. Yale University, 1973.

ANA MARIA TURNER, of Charlotte, N.C., B.A. Duke University, 1971.

SUTHEP VACHARAPONGPREECHA, of Bangkok, Thailand, B.A. Thammasat University, 1971.

LORNA ELAINE WATSON, of Long Beach, Calif., B.A. Northwestern University, 1973.

RICHARD STAGER WEEKS, of Mountainside, N.J., B.A. The Johns Hopkins University, 1974.

LAWRENCE IRA WEINSTEIN, of Wilmette, Ill., B.A. The Johns Hopkins University, 1974.

JAMES FRANCIS WHITTAKER, of San Jose, Calif., B.A. Stanford University, 1973.

THOMAS JOSEPH WISNIEWSKI, of Chicago, Ill., B.S.F.S. Georgetown University, 1973.

CLARA JOSTING WITT, of Lynn, Mass., B.A. The Johns Hopkins University, 1972.

DENNIS PETER WOOD, of Jackson Heights, N.Y., B.A. Fordham University, 1969.

MASTERS OF INTERNATIONAL PUBLIC POLICY

in The School of Advanced International Studies

HARRY ACKERMAN, of Bethesda, Md., J.D. University of Arizona, 1952.

VIVIAN L. C. ANDERSON, of Philadelphia, Pa., B.S. Temple University, 1952; M.A. Columbia University, 1955.

SAMUEL B. BARTLETT, of Plymouth, Mass., B.A. Dartmouth College, 1957; LL.B. Harvard Law School, 1961.

MELVYN BROKENSHIRE, of Westgate, Md., B.A. Duke University, 1952; M.S. Columbia University, 1955.

JAY B. CARTER, of Washington, D.C., B.S.E.E. University of Southern California, 1946; B.S.C.E., 1951.

E. DENNIS CONROY, of Washington, D.C., B.A. Antioch College, 1950; M.A. University of Chicago, 1951.

WILLIAM HUNTINGTON COPENHAVER, of Washington, D.C., B.S.L. Northwestern University, 1953, LL.B., 1956; LL.M. Harvard Law School, 1960.

DONALD A. FORESTA, of Washington, D.C., B.A. University of Buffalo, 1961.

DALTON A. GRIFFITH, of McLean, Va., B.A. Harvard College, 1951.

I. AUSTIN HEYMAN, of Bethesda, Md., B.A. Harvard College, 1953, J.D. 1956.

DAVID I. HITCHCOCK, of Chevy Chase, Md., B.A. Dartmouth College, 1950; M.A. Columbia University, 1951.

JOHN M. KELLER, of St. Paul, Minn., B.A. University of Minnesota, 1963.

SHABTAY KOH, of Natanya, Israel, B.A. University of Tel Aviv, 1972.

JUNG HA LEE, of Seoul, Korea, B.A. National University, 1963, M.A., 1968.

THOMAS P. MACK, of Alexandria, Va., B.S. U. S. Merchant Marine Academy, 1943; B.S.F.S. Georgetown University, 1949, M.S.F.S., 1954.

JAMES MEGELLAS, of Fond Du Lac, Wisc., B.A. Ripon College, 1942.

EUGENE W. MOORE, of McLean, Va., B.A. St. Louis University, 1954.

HAROLD F. RADDAY, of San Francisco, Calif., B.A. St. John's University, 1958; M.Ed. University of Maryland, 1962.

CHARLES RUBEL, of Washington, D.C., B.A. Princeton University, 1942; B.S.F.S. Georgetown University, 1952.

MASON P. RUMNEY, of McLean, Va., B.S. United States Military Academy, 1946; M.S. University of Virginia, 1955.

JAMES D. SINGLETARY, of Silver Spring, Md., B.S. State University College, Brockport, N.Y., 1944; M.A. University of Chicago, 1946; Ph.D., 1950.

JAMES LEONARD SLOAN, of Rockville, Md., B.S.C.E. University of Akron, 1957.

JAMES W. WORTHEN, of Washington, D.C., B.A. Occidental College, 1964; M.A. University of California, Berkeley, 1966.

MASTERS IN MENTAL HEALTH

in the Faculty of Medicine

- LOUISE BERTELS ABERNETHY, of Baltimore, Md., B. A. University of Wisconsin, 1961. Psychiatry and Behavioral Sciences.
Attitudes and Child Rearing Practices of Fathers of Asthmatic Children.
- JESSICA ELIZABETH BERENZ, of Albuquerque, N. Mex., A. B. Goucher College, 1972. Psychiatry and the Behavioral Sciences.
A Study in the Concept and Use of the Mandala.
- BARBARA BURRELL FOSTER, of Washington, D. C., B. A. University of Iowa, 1950. Psychiatry and the Behavioral Sciences.
The Myth of Sexual Incompetence Among the Aging: Its Decline and Persistence.
- ANN MARIE IRVING, of Baltimore, Md., B. S. Towson State College, 1971. Psychiatry and the Behavioral Sciences.
Psychological Sequelae of Laproscopic Sterilization.
- JUNE FAITH SAVANICK WERLWAS, of Annapolis, Md., B. A. Pennsylvania State University, 1961. Psychiatry and the Behavioral Sciences.
Reversible Hypsomatotropinism (Psychosocial Dwarfism): Behavioral Data in Two Cases and Their Families.
- CAROL CHAMBERLAYNE KIMBALL, of Baltimore, Md., A. B. Middlebury College, 1944; M. Ed. The Graduate Teachers College of Winnetka, 1947. Psychiatry and the Behavioral Sciences.
Hyperactivity: A Three-generation Inquiry.
- DOROTHY GLASSMAN SUCHER, of Greenbelt, Md., B. A. Brooklyn College, 1954. Psychiatry and the Behavioral Sciences.
The Therapist Activity Number ("TAN"): A Study of Patient-Oriented Activities by Psychotherapists Outside the Therapy Hour.
- JEAN RALPH TOWNSHEND, of Severna Park, Md., A. B. Goucher College, 1950. Psychiatry and the Behavioral Sciences.
Fellowship House: A Psychiatric Halfway House.

MASTERS OF ARTS

in the Faculty of Medicine

- AMALIE PAULINE DUNKER, of Chicago, Ill., B. F. A. University of Illinois, Urbana, 1973. Art as Applied to Medicine.
Principles and Clinical Applications of Fluorescein Angiography: A 16mm Animated Movie.
- GLEN ROLLAND FINLAYSON, of Lutherville, Md., B. S. University of Utah, 1958; M. D., 1961. Physiological Chemistry.
Isoelectric Focusing in Polyacrylamide Gel and Its Preparative Application.
- DANIEL LAWRENCE ROSS, of Brooklyn, N. Y., B. F. A. Pratt Institute, 1973. Art as Applied to Medicine.
Rectal Bleeding.
- JILL WOLHANDLER, of Cambridge, Mass., B. A. University of Chicago, 1970. Anatomy.

MASTER OF SCIENCE IN ENGINEERING

in the Faculty of Medicine

JOHN ANDREW SAWCHUK, of Baltimore, Md., B.S. Cornell University, 1971. Biomedical Engineering.

MASTERS OF SCIENCE IN ENGINEERING

in the Faculty of Arts and Sciences

WILLIAM CHRISTIAN APPELBAUM, of Baltimore, Md., B.A. The Johns Hopkins University, 1973. Electrical Engineering.

Code Optimization by Compilers.

WILLIAM GERARD BATH, of Lakewood, Colo., B.E.S. The Johns Hopkins University, 1974. Electrical Engineering.

NICHOLAS DAVID BESER, of Baltimore, Md., B.E.S. The Johns Hopkins University, 1974. Electrical Engineering.
Electrode Dependent Switching in Organic Thin Films.

PHILIP WALTER BLOW, of Coudersport, Pa., B.S. Drexel Institute of Technology, 1967. Environmental Engineering.

Systematic Interdisciplinary Approach in Urban Transportation Planning.

RICHARD ARTHUR BORENSTEIN, of Baltimore, Md., B.A. The Johns Hopkins University, 1971. Environmental Engineering.

A Conceptual Model for Capacity Expansion of a Thermal-Electric Power Generating System.

LAWRENCE JOSEPH CAVAIOLA, of Laurel, Md., B.S. United States Naval Academy, 1969. Mathematical Sciences.

RONALD Y. S. CHAO, of Huntington Beach, Calif. Mathematical Sciences.

TIMOTHY DON COLE, of Baltimore, Md., B.E.S. The Johns Hopkins University, 1974. Electrical Engineering.

HENRY MILTON CROSSWHITE III, of Baltimore, Md., B.E.S. The Johns Hopkins University, 1974. Electrical Engineering.

JONATHAN ALFRED DANTZIG, of Baltimore, Md., B.E.S. The Johns Hopkins University, 1972. Mechanics and Materials Science.

Superplasticity and Structure in a Lead-Tin Eutectic Alloy.

JOHN CALVIN DE JONG, of South Holland, Ill., B.S. United States Naval Academy, 1970. Mathematical Sciences.

MICHAEL TERRY ERRECART, of Beltsville, Md., B.S.E.E. Massachusetts Institute of Technology, 1972. Mathematical Sciences.

TERRY LEE FRIESZ, of Fort Knox, Ky., B.A. University of Virginia, 1970. Environmental Engineering.

Simultaneous Differential Equation Systems for Optimal Regional Public Investment Allocation.

DAVID NEILSON GIVEN, of Seattle, Wash., B.S. Lehigh University, 1972. Geography.

Possible Causes of the Supersaturation of Iron in Natural Waters.

CHRISTOF HEINZ HEITHECKER, of Columbia, Md., B.E.S. The Johns Hopkins University, 1974. Electrical Engineering.

MARK HENRY KARWAN, of Cleveland, Ohio, B.E.S. The Johns Hopkins University, 1974. Mathematical Sciences.

CHARLES RANDALL KUNING, of Silver Spring, Md., B.E.S. The Johns Hopkins University, 1974. Electrical Engineering.

EDWARD FRANCOIS CHARLES LABERGE, of Findlay, Ohio, B.E.S. The Johns Hopkins University, 1974. Electrical Engineering.

GLENN EARLE MITZEL, of Camp Springs, Md., B.E.S. The Johns Hopkins University, 1973. Electrical Engineering.

WALTER VINCENT PANOWICZ, JR., of Baltimore, Md., B.E.S. The Johns Hopkins University, 1973. Mechanics and Materials Science.

Ultrasonic Detection of Fatigue Damage in Modified 1100 Aluminum Specimens.

DOUGLAS LLOYD PLETTE, of Millersville, Md., B.S. Pennsylvania State University, 1973. Electrical Engineering.

JULIAN JOHN POP, of Melbourne, Australia, B.E. University of Melbourne, 1970; M.E.S. 1973. Mechanics and Materials Science.

An Approximation Theorem in the Calculus of Variations.

- RICHARD CARVILLE RAUP, of Baltimore, Md. Electrical Engineering.
- DAVID ROBERT REFLING, of Norway, Mich., B. S. University of Wisconsin, 1972. Environmental Engineering.
The Application of Activated Sludge Treatment to Representative Textile Dye Carriers.
- EPAMINONDAS SIDIROPOULOS, of Thessaloniki, Greece, Diploma in Civil Engineering University of Thessaloniki, Greece, 1971. Mechanics and Materials Science.
Some Remarks on the Foundations of Thermodynamics.
- FRANK SZILAGYI, JR., of Ellicott City, Md., B. S. Case Western Reserve University, 1973. Electrical Engineering.
- ROBIN TSAI, of Calcutta, India, B. S. Victoria University of Wellington, 1970; M. A. University of Maryland, 1972. Mathematical Sciences.
- GEORGE WISHARD TURNER, of Baltimore, Md., B. E. S. The Johns Hopkins University, 1972. Electrical Engineering.
- STEPHEN LAWRENCE VAN DOREN, of Westminster, Md., B. E. S. The Johns Hopkins University, 1972. Mechanics and Materials Science.
Acoustic Characteristics of Twinning in Indium.
- THEODORE STANLEY ZAJAC, JR., of Rocky River, Ohio, B. E. S. The Johns Hopkins University, 1974. Electrical Engineering.
- ADEAN ZAPINSKY, of Providence, R. I., B. S. Yale University, 1973. Electrical Engineering.

MASTERS OF ARTS

in the Faculty of Arts and Sciences

- WILLIAM HALE AARNES, of Columbia, Mo., A. B. Oberlin College, 1969; M. A. Catholic University of America, 1970. English.
- JALEH ABEDI, of Kazroon, Iran, Licentiate Degree in Chemistry, Pars College, Iran, 1971. Chemistry.
- WILLIAM BARRY AHEARN, of Montague, Mass., B. A. Trinity College, 1973. English.
- IFZAL ALI, of Shillong, Assam, B. A. University of Delhi, 1968; M. A. Delhi School of Economics, 1970. Political Economy.
- MICHAEL FRANCIS ANGEL, of Verona, Pa., B. A. The Johns Hopkins University, 1974. Psychology.
- WILLIAM WILTON ANTHONY III, of Baltimore, Md., A. B. Colby College, 1971. German.
- AYSE KUNTER ARITURK, of Istanbul, Turkey. Political Economy.
- CHRISTINE ANN ASSIS, of St. Paul, Minn., A. B. University of Illinois, 1969. Political Economy.
- MILTON PEREIRA DE ASSIS, of Sao Paulo, Brazil, B. A. University of the State of Guanabara, 1968; M. A. University of Sao Paulo, 1969. Political Economy.
- LAWRENCE ROBERT BACHMAN, of Philadelphia, Pa., B. S. Carnegie-Mellon University, 1967; M. S., 1969. Physics.
- JOHN WADE BAKER, of Houston, Texas, B. A. University of Texas, 1967; B. D. Austin Presbyterian Theological Seminary, 1970. Near Eastern Studies.
- JOSEPH ARTHUR BARBER, of Anchorage, Alaska, A. B. Gonzaga University, 1967; M. A. University of Colorado, 1968. Romance Languages.
- MARJIE LYNN BAKER BAUGHMAN, of Westminster, Md., B. A. Wilson College, 1959. History of Art.
- DAVID EDWARD BEAUDOUIN, of Baltimore, Md., B. A. Washington College, 1973. Writing Seminars.
Versus.
- DEBORAH LYNN BEREK, of Baltimore, Md., B. A. Mills College, 1970. History of Art.
- DAVID LEWIS BERGMAN, of Fitchburg, Mass., B. A. Kenyon College, 1972. English.
- LEONARD JAY BERKOWITZ, of York, Pa., A. B. Duke University, 1967. Philosophy.
- MICHAEL MANNING BERLIN, of New York, N. Y., B. A. The Johns Hopkins University, 1975. Psychology.
- RITA JEAN BERNDT, of Baltimore, Md., B. A. University of Maryland, 1971. Psychology.
- HENDRIK BOORAEM V, of New York, N. Y., B. A. University of Virginia, 1961. History.
- RUTH HAMILTON BRAUN, of Sherman, N. Y., B. S. State University College, Fredonia, N. Y., 1970. Earth and Planetary Sciences.
- JOEL EDWARD BRINK, of Pender, Nebr., B. A. Wesleyan University, 1966; M. A. Oberlin College, 1968. History of Art.
- ALAN WILLIAM BRITT, of Norfolk, Va., B. A. University of Tampa, 1972. Writing Seminars.
The Stone Violins.
- WILLIAM HENRY BRUNE, of Minneapolis, Minn., B. S. Southwestern at Memphis, 1973. Physics.

- ANN FREEMAN BUDD, of Richmond, Va., B.A. Lawrence University, 1973. Earth and Planetary Sciences.
- VIRGINIA FABBRI BUTERA, of Norristown, Pa. History of Art.
- ROBERT FAULKNER CASILLO, of Birmingham, Mich., A.B. Columbia University, 1972. English.
- DENISE MARIA CASSENS, of Aruba Netherlands, West Indies, B.A. Newcomb College of Tulane University, 1973. Writing Seminars.
Hansel and Gretel.
- RONALD LEE CASTLE, of Paintsville, Ky. Political Science.
From Tribe to Organization.
- JOSEPH FRANCIS CHORPENNING, of Highspire, Pa., B.A. Allentown College, 1973. Romance Languages.
- ARTHUR CHARLES MILES CLARKE, of Amboy, Ill., B.S. University of Illinois, 1969; M.A. Sangamon State University, 1973. Physics.
- DIANE JOYCE COLE, of Baltimore, Md., A.B. Radcliffe College, 1974. Writing Seminars.
Family Illusions.
- WILLIAM FRANCIS COLMERS, of Savannah, Ga., B.A. The Johns Hopkins University, 1974. Earth and Planetary Sciences.
- CHRISTOPHER H. DADIAN, of Washington, D.C., A.B. Brandeis University, 1972. Classics.
- MARY ELIZABETH DANIEL, of Columbia, S.C. Earth and Planetary Sciences.
- SAMUEL DANON, of Portland, Ore., B.A. Brandeis University, 1958. Romance Languages.
- JAMES MADISON DAVIS, JR., of Charlottesville, Va., B.A. University of Maryland, 1973. Writing Seminars.
Darwin's Monkey.
- FOREST CLAUDE DEAL, JR., of Baltimore, Md., B.S. Rollins College, 1968. Mathematical Sciences.
- LURLINE FRANCES DeVOS, of Albuquerque, N.M., B.A. The Johns Hopkins University, 1975. Psychology.
- WILLIAM DICANZIO, of Philadelphia, Pa., B.A. University of Pennsylvania, 1971. English.
- LAURA BETH DIGIANTONIO, of Canton, Ohio, B.A. Purdue University, 1973. English.
- JOHN ANTHONY DOMINI, of New York, N.Y. Writing Seminars.
OOO
- SCOTT WHITFIELD DUNCAN, of Baltimore, Md., B.A. Knox College, 1973. Physics.
- JOHN O'DELL DUNNING, of Baltimore, Md., A.B. Princeton University, 1967. Biology.
- SUSAN ELAINE EARLY, of Lawrence, Kans., A.B. Goucher College, 1973. Writing Seminars.
Sleeping with Angels.
- DAVID ALVOID EDMONSON, of Quincy, Ill., B.S. University of Illinois, 1973. Chemistry.
- JOHN SCOTT EGAN, of Louisville, Ky., B.A. The Johns Hopkins University, 1973. Writing Seminars.
Historical Streets.
- CYNTHIA ANN PHILLIPS ENGERS, of Lincoln, Nebr., B.A. St. Mary's College, Indiana, 1972. English.
- GEORGE BARD ERMENTROUT, JR., of Newtown, Pa., B.A. The Johns Hopkins University, 1975. Mathematics.
- GEORGE EDWARD EVANS, of Pittsburgh, Pa. Writing Seminars.
Disturbance.
- WILLIAM REYNOLDS FIELDER, JR., of Lynchburg, Va., M.S. University of Georgia, 1973. Physics.
- LAUREL RUTH FISHER, of Philadelphia, Pa., B.A. Swarthmore College, 1974. Classics.
- DAVID RICHARD FLAXMAN, of Glenview, Ill., B.A. Michigan State University, 1973. Philosophy.
- BRYAN ALEC FLOYD, of Millerplace, Long Island, N.Y., B.A. Seattle University, 1967. Writing Seminars.
- KATHY MAE KELSEY FOLEY, of Perth Amboy, N.J., A.B. Vassar College, 1974. History of Art.
- PETER ALBUN FREDELL, of Boston, Mass., B.A. State University of New York at Binghamton, 1974. Writing Seminars.
The Dive.
- STEPHEN ROBERT FUNK, of Hagerstown, Md., A.B. Gettysburg College, 1969. Chemistry.
- FRED HARRISON GAGE III, of Portsmouth, Va., B.S. University of Florida, 1972. Psychology.
- LUIS AQUILES GARCIA, of Santo Domingo, Dominican Republic, A.B. Boston College, 1973. Political Economy.
- ELMER EARL GARDNER, of Baltimore, Md., B.S. Morgan State College, 1969. Physics.
- ROBERT WAYNE GARNET, of Lincroft, N.J., B.A. The Johns Hopkins University, 1972. History.
- ROBERT EDWARD GARRETT, of Boston, Mass., B.A. Trinity College, 1971. History.
- JOEL PAUL GELB, of Queens, N.Y., B.A. State University of New York, Stony Brook, 1972. History.
- GARY DON GOTTFREDSON, of Baltimore, Md., A.B. University of California, Berkeley, 1969. Psychology.

- CASSANDRA WEINTRAUB GOTTLIEB, of Montreal, Quebec, B. S. McGill University, 1970; B. Arch., 1972. Geography.
The Effect of Site Selection Policies and Practices on the Success and Failure of the Federal Public Housing Program.
- MARGARET ANN GRADY, of Sparta, N. J., B. A. The Johns Hopkins University, 1975. Psychology.
- ELLEN H. GROBER, of Hillside, N. J., A. B. Temple University, 1969. Psychology.
- WAYNE EUGENE GROVES, of Fort Wayne, Ind., B. S. University of Chicago, 1965. Social Relations.
- JOHN JOSEPH GUZZARDO, of San Jose, Calif., A. B. University of California, Santa Cruz, 1972. Romance Languages.
- FREDERICK ALLEN HALE, of Detroit Lakes, Minn., B. A. Macalester College, 1969; M. T. S. Harvard Divinity School, 1971. History.
- ELLEN LOUISE HANSEN, of Houston, Texas, B. A. University of Texas at Austin, 1974. Classics.
- BRIAN ERNEST HANSON, of Silver Spring, Md., B. A. The Johns Hopkins University, 1975. Chemistry.
- ADELAIDE FRANCES HENDERSON, of Bridgeport, Conn., B. A. Connecticut College, 1965; M. S. University of Bridgeport, 1967. Classics.
- JOAN FLORENCE HIGBEE, of Washington, D. C., A. B. George Washington University, 1967. Romance Languages.
- DOUGLAS GORDON HOECKER, of Mt. Vernon, Ohio, A. B. Oberlin College, 1964. Psychology.
- ROBERT BRUCE HOERNEL, of Babylon, Long Island, N. Y., B. A. State University of New York at Stony Brook, 1972. History.
- NORMAN STANFORD HOLLAND, JR., of Orlando, Fla., B. A. Dartmouth College, 1972. Romance Languages.
- GERALD CHARLES HORAK, of Baltimore, Md., B. S. Towson State College, 1971. Geography.
An Ex Post Evaluation of Fish and Wildlife Mitigation.
- BONNIE JEANETTE ISAAC, of Baltimore, Md., B. A. Allegheny College, 1971. Romance Languages.
- ROBERTA SUE ISRAELOFF, of New York, N. Y., A. B. Barnard College, 1973. Writing Seminars.
The Ice Age.
- PAUL GREGORY JENKO, of Stone Mountain, Ga., B. A. The Johns Hopkins University, 1975. Psychology.
- MARTIN KALMAR, of Baltimore, Md., B. A. St. John's College, 1969. History of Science.
Thomas Hariot's De Reflexione Corporum Rotundorum: An Annotated Translation.
- JACQUELINE HULSEBERG KARKOS, of Chicago, Ill., B. A. Wellesley College, 1963. English.
- ANDRE-PHILLIPPE KATZ, of Baltimore, Md. History.
- DONA MARIE KERCHER, of Clarence, N. Y., A. B. University of Michigan, 1972. Romance Languages.
- KATHERINE TOME KOBAYASHI, of Houston, Texas, B. A. Rice University, 1972. History.
- KARIN ELISABET KÖNIG, of Recklinghausen, Germany. German.
- LAWRENCE NEAL KOPPELMAN, of Albertson, N. Y., B. A. The Johns Hopkins University, 1975. Geography.
Econometric Analysis of a Production Function for Oil Shale Development.
- GERALD PETER KRUEGER, of Evanston, Ill., B. A. University of Dayton, 1966. Psychology.
- BRENDA JOYCE LATKA, of Baltimore, Md., B. S. University of Maryland, 1971. Geography and Mathematical Sciences.
Exploring the Relationship between Criminal Activity and Meteorological Variables by Means of Spectral Analysis.
- FRANKLIN NORMAN LECRONE, JR., of York, Pa., A. B. Lincoln University, 1964. Chemistry.
- FLORA LYNN LEIBOWITZ, of Brooklyn, N. Y., B. A. State University of New York at Stony Brook, 1973. Philosophy.
- CARL MICHAEL LENTZ, of Gore, Va., B. S. Madison College, 1973. Chemistry.
- JAMES RULAF LEVEQUE, of Cassopolis, Mich., A. B. University of Chicago, 1952; B. D. Nashotah House Theological Seminary, 1955; M. S. T., 1966. Mathematics.
- DAVID LLOYD LEVINE, of West Hempstead, N. Y., B. A. The Johns Hopkins University, 1973. Writing Seminars.
Mirror Hatred and a Study in Deception.
- ALICIA ESTELA LIEBERMAN, of Asuncion, Paraguay, B. A. Hebrew University of Jerusalem, 1971. Psychology.
- HENRY SANFORD LIMOUZE, of Bronx, N. Y., A. B. Oberlin College, 1972. English.
- SAMUEL ALTON LIVINGSTON, of Hopewell, N. J., B. A. University of Chicago, 1962; M. Ed. University of Pittsburgh, 1964; Ph. D. The Johns Hopkins University, 1974. Mathematical Sciences.
- FRANCES STEWART MADOO, of Washington, D. C., B. A. Brooklyn College, 1967. Writing Seminars.
Five Exercises in the First Person.
- MICHAEL LLOYD MANLEY, of Columbus, Ohio, B. A. Ohio State University, 1967. Writing Seminars.
Carp.
- DENNIS GEORGE MASSEY, of Lebanon, Ohio, B. A. The Johns Hopkins University, 1969. English.
- GERALD MATISOFF, of Brookline, Mass., B. S. Massachusetts Institute of Technology, 1973. Earth and Planetary Sciences.

- KIICHIRO MATSUMURA, of Otsu, Japan, B. S. Kanazawa University, 1960. Chemistry.
- CATHERINE GARDNER McFALL, of Jacksonville, Fla., A. B. Wheaton College, 1974. Writing Seminars.
Here at Close Range.
- PETER VINCENT MCGINN, of West Hempstead, N. Y., B. A. The Johns Hopkins University, 1970; M. S. Pennsylvania State University, 1971. Psychology.
- MICHEL BERNARD MEYER, of Brussels, Belgium, B. A. Université Libre de Bruxelles, Belgium, 1970; M. A., 1972. Philosophy.
- MARIE CHRISTINE MEYER-ADAM, of Brussels, Belgium, Licenciée in Economics Free University of Brussels, 1972. Political Economy.
- DAVID CHARLES MILLER, of Newark, N. J. English.
- PATRICK DAVID MOORE, of Salt Lake City, Utah, B. S. California State University, Northridge, 1973. Chemistry.
- THERESE MARGUERITE MOREAU-HICKS, of Columbia, Md. Romance Languages.
- GARY EUGENE MYER, of Bethesda, Md., B. A. Sacramento State College, 1969. German.
- ALEXANDER HAMILTON OWENS, of Baltimore, Md., B. S. Michigan State University, 1972. Physics.
- MICHAEL RYAN PASHALL, of Boston, Mass., B. A. Boston University, 1973. Writing Seminars.
Personal Politics.
- LOUISE REBECCA PASTERNAK-RAFFERTY, of New York, N. Y., A. B. Radcliffe College, 1973. Chemistry.
- RICHARD SAUTER PATTERSON, of Stamford, Conn., B. A. The Johns Hopkins University, 1974. Writing Seminars.
Friends Die Easy.
- PAULA LEE PLATT, of Baltimore, Md., A. B. Vassar College, 1973. History of Art.
- MATTHEW ALFRED PRIEST, of Rochester, N. Y., B. S. University of Notre Dame, 1971. Chemistry.
- ALFONSO PROCACCINI, of Kingston, N. J., B. A. Rider College, 1969; M. A. Middlebury College, 1970. Romance Languages.
- DIANE ASPACIA RALLIS, of Bennington, Vt. History of Art.
- PAYSON MERRILL RAND, of San Francisco, Calif. Writing Seminars.
Conrad.
- KIRBY DOUGLAS REKEDAL, of Howard Lake, Minn., B. A. St. Olaf College, 1972. Philosophy.
- MARGOLA RIVKIN, of Baltimore, Md., A. B. Goucher College, 1957; M. L. A. The Johns Hopkins University, 1966. History of Art.
- WILLIAM ROY ROBERTS, of Lubbock, Texas, B. A. Rice University, 1970. History.
- JANET ROCHE, of Philadelphia, Pa., B. A. State University of New York at Binghamton, 1973. Classics.
- ELLEN DEUTSCH FRANKEL ROSE, of Baltimore, Md., A. B. Washington University, 1973. Chemistry.
- DAVID MATTHEW ROSEN, of Hagerstown, Md., B. A. Haverford College, 1971. English.
- MARILYN J. ROTH, of Youngstown, N. Y., B. A. Elmira College, 1972. Mathematics.
- JOHN STEPHEN RUSSELL, of Baltimore, Md., B. A. The Johns Hopkins University, 1973. English.
- EUGENE GREGORY SACEVICH, of Hamilton, Ontario, Canada, B. S. University of Waterloo, 1970. Biophysics.
- KATHY CHARMAINE SANDERS, of St. Louis, Mo., A. B. Mount Holyoke College, 1972. Psychology.
- ANDRE SAPIR, of Brussels, Belgium, Bachelor (Licencie) in Economics Université Libre de Bruxelles, 1972. Political Economy.
- HARVEY LEWIS SCHANTZ, of Brooklyn, N. Y., B. A. Brooklyn College, 1973. Political Science.
Julius Turner Revisited: Primary Elections as the Alternative to Party Competition in 'Safe' Districts.
- GAIL YVONNE HAY SCHMOOKLER, of Ithaca, N. Y., A. B. Cornell University, 1969. Education.
- NORMAN ROBERT SCHMUFF, of Baltimore, Md. Chemistry.
- JUDITH ANN SCHNEID, of New York, N. Y., A. B. Vassar College, 1972. History.
- ANDREW OSCAR SCHREIBER, of North Bellmore, N. Y., B. A. The Johns Hopkins University, 1975. Psychology.
- KATHLEEN ANN GILLES SEIDEL, of Lawrence, Kans., B. A. University of Chicago, 1973. English.
- PATRICIA DIANE SHALL, of Richmond, Va. Romance Languages.
- WILLIAM SHERWIN SIMMONS, of Memphis, Tenn., B. A. Yale University, 1967. History of Art.
- SUSAN ELIZABETH SIMON, of Johannesburg, South Africa, B. A. Brown University, 1972. Writing Seminars.
Plastic Kisses.
- HELEN ANDREWS WINIFRED SMITH, of Boston, Mass., B. A. Duke University, 1974. History of Art.
- PAUL VICTOR SMITH, of Ticonderoga, N. Y., B. A. Northwestern University, 1972. Earth and Planetary Sciences.
- WILLIAM ALBERT SNYDER, of Pittsburgh, Pa., B. S. Marshall University, 1969. Physics.
- CECILIA HELENE SOLANO, of Cambridge, Mass., A. B. Radcliffe College, 1971. Psychology.

- POONSA-NGA SOMBOONPANYA, of Prachinburi Province, Thailand, B.E. Chulalongkorn University, 1970. Political Economy.
- FRANK CHARLES SONSINI, of Mount Vernon, Ill., A.B. University of Illinois, 1971. Psychology.
- JOHN VERNON SPEARS III, of Ambler, Pa., B.A. The Johns Hopkins University, 1971; M.A.T. Northwestern University, 1972. History.
- DANIEL ORTON SPURR, of Petersham, Mass., B.S. Eastern Michigan University, 1974. Writing Seminars.
The Ant and the Golden Thread.
- MARGARET ANN STEEVES, of Conway, Mass., B.A. Wellesley College, 1970. Romance Languages.
- SUSAN ALICE STEWART, of York, Pa., B.A. Dickinson College, 1973. Writing Seminars.
Delectable Mountains.
- STEPHANIE KAY SUGIOKA, of Iowa City, Iowa, B.A. Goucher College, 1973. Writing Seminars.
Syzygy.
- CYNTHIA WAUGH SULFRIDGE, of Hiwassee Dam, N. C., B.A. Carson-Newman College, 1962; M.A. University of Tennessee, 1965. English.
- MARIA CONCEPCION TAMARGO, of Baton Rouge, La., B.S. University of Puerto Rico, 1972. Chemistry.
- JIANN-MEAN TAN, of Taipei, Taiwan, B.A. National Taiwan University, 1970. Mathematics.
- BERNARD LEE TAYLOR, of Baltimore, Md., B.A. University of Maryland, 1974. Writing Seminars.
A Collection of Poetry.
- RALPH BRECKEN TAYLOR, of Providence, R. I., A.B. Dartmouth College, 1972. Psychology.
- BEVERLY ANN WILLIS TEICHER, of Hamburg, N. Y., B.S. Rensselaer Polytechnic Institute, 1973. Chemistry.
- JAMES LAYTON TERRY II, of Peoria, Ill., B.S. Denison University, 1973. Physics.
- ROBERT ELI TERRY, of Port Arthur, Texas, B.S. Massachusetts Institute of Technology, 1968. Physics.
- ALBERT HOLMES TILLSON, JR., of Arlington, Va., B.A. George Mason College, 1971. History.
- BRUCE RICHARD TOTH, of New York, N. Y., B.S. Oregon State College, 1964. Chemistry.
- DAVID VINCENT TROTMAN, of Toronto, Ontario, Canada, B.A. York University, Canada, 1973. History.
- JOANN STEPHANIE TURISCO, of New London, Conn., B.A. The Johns Hopkins University, 1974. Mathematics.
- EMILY JANE TURNER, of Glasgow, Ky., A.B. Transylvania University, 1973. History.
- SUZANNE LEE UNDERWOOD, of Nyack, N. Y., B.S. Madison College, 1972. Writing Seminars.
Green Light Green Light.
- MOHAMMAD REZA VAEZ-ZADEH, of Abadeh, Iran, B.A. University of Lancaster, 1971. Political Economy.
- WELMOET VAN KAMMEN-BOK, of Amsterdam, The Netherlands. History of Art.
- MARY COWAN VIERNSTEIN, of Philadelphia, Pa., B.A. Rutgers University, 1959; M.A. The Johns Hopkins University, 1963; M.Ed., 1971. Psychology.
- EDWARD JAMES WALL, of Bethesda, Md., B.S. Muhlenberg College, 1972. Earth and Planetary Sciences.
- LAURA JEAN WALLACE, of Charlottesville, Va., A.B. Goucher College, 1972. Writing Seminars.
Dog-Spaces.
- MARY MARTHA WARD, of Raleigh, N.C., B.A. University of North Carolina, Chapel Hill, 1973. History of Art.
- JACQUELINE CHERYL WASHINGTON, of Washington, D.C., B.A. Howard University, 1970. Writing Seminars.
The Female Family.
- STEVEN JAY WEINBERG, of Baltimore, Md., B.A. Evergreen State College, 1973. Writing Seminars.
Thesis.
- JACQUELIN WILSON WEISHEIT, of Ruxton, Md., B.A. Bryn Mawr Colleges, 1943. History.
- BERNARD WELT, of Houston, Texas, B.A. American University, 1974. Writing Seminars.
Grace.
- THOMAS LAWLER WHITAKER, of Memphis, Tenn., B.A. University of Arkansas, 1954. Writing Seminars.
Valve Oil.
- JOHN HOWARD WIESER, of Newport Beach, Calif., B.A. The Johns Hopkins University, 1975. Chemistry.
- JOHN ROBIN WILSON, of Atlanta, Ga. History.
- CAROLYN MYRA YALKUT, of Brooklyn, N. Y., B.A. Barnard College, 1974. Writing Seminars.
Happy Poems, Unhappy Prose and a Play.
- CYNTHIA ELSPETH YOUNG, of Baltimore, Md., B.A. The Johns Hopkins University, 1974. Writing Seminars.
Aloneliness.
- MARIA SOLOWIEJCZYK ZAJAC, of Brooklyn, N. Y., B.S. City College of The City University of New York, 1973. Chemistry.

DOCTORS OF SCIENCE

in The School of Hygiene and Public Health

- ZAHUR ALAM, of Lyallpur, Pakistan, B. S. Government College, Lyallpur, 1955; M. A. University of the Panjab, 1961. Population Dynamics.
Family Planning KAP by Family Type.
- JONATHAN AMSEL, of Brooklyn, N. Y., B. A. Grinnell College, 1962; M. S. Columbia University, 1969. Epidemiology.
The Epidemiology of Down's Syndrome and Congenital Heart Disease.
- JOEL H. BROIDA, of Oil City, Pa., B. S. University of Pittsburgh, 1956; M. P. H. University of Michigan, 1962. Health Care Organization.
The Impact of Membership in an Enrolled, Prepaid Population on Utilization of Health Services in a Group Practice.
- ROBERT STUART BROWN, of Baltimore, Md., B. S. University of Maryland, 1970. Pathobiology.
Blood Clotting Mechanisms of the American Oyster, Crassostrea Virginica.
- BRUCE MYRON BUCHER, of Cladden, Mo., B. A. Park College, 1959; M. D. University of Missouri School of Medicine, 1964; M. P. H. The Johns Hopkins University School of Hygiene and Public Health, 1968.
Inappropriate Hospital Days Related to Patient, Disease, Physician and Hospital Characteristics.
- EUGENE VINCENT FARRELL, of Baltimore, Md., B. S. King's College, 1957; M. S. University of Pittsburgh, 1960. Health Care Organization.
A Study of Relationships Between Style of Life and Level of Health.
- ANDREW ALZO FISHER, of New York, N. Y., B. A. Oberlin College, 1964; M. A. New York University, 1966. Population Dynamics.
Family Planning Patients as Diffusers of Information and Recruiters of New Patients.
- RUTH LAUFER FRIEDMAN, of Brookline, Mass., B. S. Simmons College, 1965; M. S. Case-Western Reserve, 1968; M. P. H. Columbia University, 1971. Maternal and Child Health.
A Study of Referrals from a Pediatric Ambulatory Care Clinic: Analysis of Patient Flow and Physician Communication.
- PRAKASH CHANDRA GUPTA, of Indore, India, B. S. Vikram University, 1963; M. S. University of Bombay, 1965. Epidemiology.
Estimation of Relative Risk and Attributable Risk from Epidemiological Studies.
- PARVATHI HOSAIN, of Baltimore, Md., B. S. Andhra University, 1948; M. S. Lucknow University, 1953. Environmental Health.
Development of Technetium-99M Labelled Pyrophosphate and Use in the Study of Dynamics of Fracture Healing.
- LAWRENCE COGSWELL HOYER, of Frederick, Md., B. A. Wesleyan University, 1958; M. Ed. Frostburg State College, 1966. Pathobiology.
Studies on the Genetic Relationships of Six Populations of Aedes (Stegomyia) Scutellaris Mosquitoes.
- VIJAI KUMAR KOCHAR, of New Delhi, India, B. A. Visva-Bharati University, 1953; M. A. Lucknow University, 1959. Pathobiology.
Human Factors in the Ecology and Epidemiology of Hookworm Infection in Rural West Bengal.
- MARILYN HELEN LAMMERT, of St. Louis, Mo., B. A. Elmhurst College, 1964; M. S. W. Washington University, 1967. Health Care Organization.
Interest Groups and Community Health Decision Making Organizations.
- KARL E. LONGLEY, of Porterville, Cal., B. S. C. E. University of New Mexico, 1960; M. S. E. The Johns Hopkins University, 1964. Environmental Health.
Mixing and Chemical Disinfection.
- JOSEPH PAUL LYONS, of Baltimore, Md., B. A. Bloomsburg State College, 1970. Public Health Administration.
Staffing Models for a Unitized Mental Hospital.
- N. KARUNAKARAN NAIR, of Trivandrum, South India, B. S. Kerala University, 1956; M. S., 1958; M. S., 1968. Population Dynamics.
Family, Peer Group Influence, Opportunities and Pre-marital Sexual Activity.
- GODWIN ENWELUM ONYEMAEKE OGUM, of Onitsha, Nigeria, B. S. University of Nigeria, 1966; M. S. University of Ghana, 1970. Population Dynamics.
A Comparative Study of Age Reporting in Selected Censuses and Surveys in Tropical Africa.
- CLEMENT JOHN RALPH, of Berkeley, Cal., A. B. University of Berkeley, 1963; M. S. San Jose State College, 1968. Pathobiology.
Age Ratios, Orientation and Routes of Land Bird Migrants in the Northeastern United States.

WILFRED SEWCHAND, of Demerara, Guyana, B. S. University of London, 1964; B. A. Cambridge University, 1967. Environmental Health.

Dosimetric Studies of Large Irregularly Shaped Fields in External Beams Cobalt-60 Radiation Therapy.

MAKIDOOM ALI SHAH, of Lyallpur, Pakistan, B. A. Government College, Lyallpur, 1964; M. A. University of Punjab, 1968. Public Health Administration.

Relationship of Structural and Process Variables in Voluntary Health Agencies—An Organizational Study.

PAUL G. SHANE, of Philadelphia, Pa., B. A. Cornell University, 1956; M. S. Columbia University, 1959; M. P. H. The Johns Hopkins University School of Hygiene and Public Health, 1970. Mental Hygiene.

The Social Support Function of a Civil Agency: A Study of Police Forces In India, Israel, United Kingdom and U. S. A.

CHARLES EDWARD YESALIS III, of Ann Arbor, Mich., B. S. University of Michigan, 1969; M. P. H. University of Michigan School of Public Health, 1972. Health Care Organization.

The Effect of Duration of Membership in a Prepaid Group Health Plan on the Utilization of Services.

DOCTORS OF PUBLIC HEALTH

in The School of Hygiene and Public Health

JOSEPH NORMAN GITLIN, of Rockville, Md., B. A. University of Pennsylvania, 1951; M. P. H. The Johns Hopkins University School of Hygiene and Public Health, 1967. Environmental Health.

Application of Automatic Data Processing Techniques to Selected Diagnostic Radiology Operations.

JULIETTE SAYEGH, of Beirut, Lebanon, B. S. N. American University of Beirut, 1963; M. S. Boston University, 1966; M. S. P. H. University of North Carolina School of Public Health, 1972. Population Dynamics.

Factors Associated with Acceptance and Adoption of Family Planning.

ROBERT SHAW, of Goshen, N. J., B. S. Ursinus College, 1966; M. D. Hahnemann Medical College, 1970; M. P. H. The Johns Hopkins University School of Hygiene and Public Health, 1972. Epidemiology.

The Relationship of Respiratory Symptoms and Reduced Ventilatory Function and Coronary Heart Disease.

MAXINE ANNETTE SMITH, of St. Thomas, Virgin Islands, B. S. N. Loyola University, 1965; M. S. Boston University, 1966; M. P. H. The Johns Hopkins University School of Hygiene and Public Health, 1971. Public Health Administration.

Career Advancement Interests Among Nurses.

ROGER B. WHITE, of Pasadena, Md., A. B. West Virginia Wesleyan College, 1962; M. S. W. West Virginia University, 1964. Maternal and Child Health.

Seriousness of Youthful Offenses and Recidivism.

DOCTORS OF PHILOSOPHY

in The School of Hygiene and Public Health

SUSAN MARIE CARLSON, of San Jose, Cal., B. S. University of California, 1970. Environmental Medicine.

Comparative Effects of Carbon Monoxide and Low Oxygen on In Situ Hearts and Skeletal Muscles of Dogs.

PAUL NICHOLAS JOHN COREY, of St. Catharines, Ontario, B. S. University of Toronto, 1962; M. A., 1965. Biostatistics.

Contributions to the Theory of Two State Markov Chains.

DAVID PATTERSON DYER, of Arlington, Va., B. A. The University of the South, 1968. Pathobiology.

Juvenile Social Experience and Adult Aggression in CFW Mice.

CAROL GEVECKER GRAVES, of Baltimore, Md., A. B. Drury College, 1962; M. L. A. The Johns Hopkins University, 1969. Biostatistics.

Estimation of Standardized Home Range in Animal Field Studies.

ARGYE BRIGGS HILLIS, of Baltimore, Md., B. S. Towson State College, 1968. Biostatistics.

A Mathematical Model of the Effects of Inapparent Infection on the Epidemiology of Virus Diseases.

MARK JAE REASOR, of Evansville, Ind., B. S. Purdue University, 1967; M. A. Duke University, 1969. Environmental Medicine.

The Characterization of Canine Tracheobronchial Secretions and the Effects of Pharmacologic and Toxicologic Agents.

ROBERT A. ROTH, JR., of Wilmington, Del., A. B. Duke University, 1968. Environmental Medicine.

The Effect of Carbon Monoxide and of Hypoxic Hypoxia on In Vivo Drug Metabolism and Action.

DOCTORS OF PHILOSOPHY

in The School of Advanced International Studies

ELLEN ROBINSON ANTOINE, of Miami, Okla., B. A. Newcomb College, Tulane University, 1965; M. A. The Johns Hopkins University, S. A. I. S., 1967.

The Imperial Idea in the French National Interest

JOHN LEE COLLIER, of Des Moines, Iowa, B. S. Iowa State University, 1963; M. A. The Johns Hopkins University, S. A. I. S., 1968.

Economic Welfare or Economic Independence as a Central Problem of Development: The Case of Sierra Leone, 1951-70

JOHN DAVISON COLLINS, of Seattle, Wash., B. A. Stanford University, 1964 M. A. The Johns Hopkins University, S. A. I. S., 1968.

Government and Groundnut Marketing in Rural Niger: The 1930's to the 1970's in Magaria

ENZO R. GRILLI, of Genoa, Italy, Laurea in Giurisprudenza, University of Genoa, 1966; M. A. The Johns Hopkins University, S. A. I. S., 1969.

LDC Exports of Natural Fibers and Competition From Synthetics: The Case of Hard Fibers

GRANT TEDRICK HAMMOND, of Fort Lauderdale, Fla., B. A. Harvard College, 1966; M. A. The Johns Hopkins University, S. A. I. S., 1968.

Plowshares into Swords: Arms Races in International Politics, 1840-1941

DAVID L. HEINLEIN, of Springfield, Mo., B. A. Baylor University, 1950; M. A. Vanderbilt University, 1952.

The Truman Doctrine: A Chief Executive in Search of the Presidency

HARRIET ANN HENTGES, of St. Paul, Minn., B. A. College of St. Catherine, 1963; M. A. The American University, 1970.

The Repatriation and Utilization of High-Level Manpower: A Case Study of the Korea Institute of Science and Technology

ERIC J. HOOGLUND, of Waterville, Maine, B. A. University of Maine, 1966; M. A. The Johns Hopkins University, S. A. I. S. 1970.

The Effects of The Land Reform Program on Rural Iran, 1962-1972.

RICHARD B. HOPPER, of Shaker Heights, Ohio, B.A. Brigham Young University, 1967; M.A. The Johns Hopkins University, S.A.I.S., 1969.

Changing Conceptions of German "Ostpolitik"

PETER ROFF JOHANNSON, of Vancouver, B.C., Canada, B.A. University of British Columbia, 1970; M.A. The Johns Hopkins University, S.A.I.S., 1973.

British Columbia's Inter-Governmental Relations with the United States

JUDITH LEE KOOKER, of Beaverton, Mich., B.A. Stanford University, 1969; M.A. The Johns Hopkins University, S.A.I.S., 1971.

French Financial Diplomacy: The Interwar Years

ROBERT ANTON MERTZ, of Philadelphia, Pa., B.A. Princeton University, 1966; M.A. The Johns Hopkins University, S.A.I.S., 1968.

United Arab Republic 1958-1961: Arab Unity on Trial.

EMILINE ROYCO OTT, of Washington, D. C., B.S. Northwestern University, 1961; M.A. The Johns Hopkins University, S.A.I.S., 1965.

The Role of the Columbian Association of Medical Schools in the Development of a Population Policy in Colombia

GEORGE T. PARK, of College Place, Wash., B.A. Montana State University, 1962; M.A. The Johns Hopkins University, S.A.I.S., 1966.

The Life and Writings of Mehmet Fuad Köprülü

DAVID ANDREAS PETERSON, of Sunnyvale, Calif., B.A. Occidental College, 1964; J.D. The George Washington University, 1967, M.B.A. 1968.

The Limits of the Law: An Inquiry into the Nature and Function of Law in International Society

RICHARD MATHESON PREECE, of Washington, D. C., B.S. F.S. Georgetown University, 1954, M.A. 1960.

Constitutional Development and Political Change in the Zanzibar Protectorate, 1890-1962

HARRY BRYCE QUALMAN, of Norwalk, Conn., B.A. The George Washington University, 1962; M.A. University of Pittsburgh, 1966.

Limits and Constraints on Foreign Policy in a Dependent State: Madagascar Under the Tsiranana Regime

FRANCIS ROME, of Winterslag, Belgium, Kandidaat St. Ignatius University, 1968; M.A. The Johns Hopkins University, S.A.I.S., 1972.

The German National Socialist Regime: Its Response to the World Economic Crisis, Its Ideas and Pre-War Economic Policies

BENJAMIN MOORE ROWLAND, of New Britain, Conn., B.A. Yale University, 1965; M.A. The Johns Hopkins University, S.A.I.S., 1970.

Commercial Conflict and Foreign Policy: A Study in Anglo-American Relations, 1932-1938

NAOMI RUTH SCHWIESOW, of Washington, D. C., B.A. University of Chicago, 1964.

France in Europe: The Political Writings of Jacques Bainville

LAMIN JALAMANG SISE, of The Gambia, B.A. The Johns Hopkins University, 1972; M.A. The Johns Hopkins University, S.A.I.S., 1973.

Expulsion of Aliens in International Law: Some African Case Studies

DOCTORS OF MEDICINE

in the Faculty of Medicine

JEROME LEROY ADAMS, of Orlando, Fla., B.A. Stetson University, 1971.

DANIEL AUGUSTINAS ALKAITIS, of Baltimore, Md., B.A. Dartmouth College, 1965; Ph.D. University of California at Berkeley, 1970.

MIDORI AOGAICHI, of Piscataway, N. J., B.A. Douglass College, 1971.

DEAN RICHARD BACKSTROM, of Warren, Pa., B.A. Johns Hopkins University, 1972.

CHARLES CARRINGTON BARR, of Louisville, Ky., A.B. Princeton University, 1971.

PAUL BEERMAN, of Flushing, N. Y., B.A. State University of New York at Binghamton, 1971.

NICHOLAS JOHN BELITSOS, of Cincinnati, Ohio, B.A. Johns Hopkins University, 1971.

JONATHAN SAMUEL BEREK, of Fremont, Nebr., A.B. Brown University, 1970; M.M.S., 1973.

MORRIS HILLEL BERG, of Merrick, N. Y., B.A. Johns Hopkins University, 1972.

J. ERIC BLUM, of Baltimore, Md., A.B. Columbia University, 1971.

- KIM PATRICK BOLTON, of Overland Park, Kan., B. A. University of Kansas, 1971.
- ALAN MICHAEL BORKON, of Rocky River, Ohio, A. B. Adelbert College (Case Western Reserve University), 1972.
- E. MICHAEL BRANDT, of Roslyn Heights, N. Y., B. A. Williams College, 1971.
- EDWARD STEPHEN BUESCHER, of Silver Spring, Md., B. A. Johns Hopkins University, 1972.
- JETTIE MARITA BURNETT, of Fort Worth, Tex., A. B. Vassar College, 1970.
- JOSEPH ENOCH CARRUTH, of Dublin, Ga., B. A. Emory University, 1971.
- CHARLOTTE KATHRYN CASSIDY, of Uniondale, N. Y., B. A. Hofstra University, 1971.
- CHI-CHAO CHAN, of Canton, People's Republic of China, B. A. Johns Hopkins University, 1972.
- WARREN BERNARD CHURG, of Teaneck, N. J., A. B. Columbia University, 1971.
- ROBERT RYAN CLANCY, of Pittsburgh, Pa., B. S. Georgetown University, 1971.
- THOMAS AUSTIN COLLIER, III, of Lancaster, Pa., B. A. Yale University, 1967; M. M. S. Rutgers Medical School, 1973.
- MARCUS CONTARDO, of Baltimore, Md., A. A. Broward Junior College, 1969; B. A. Florida Atlantic University, 1971.
- EDWARD PAUL COSTLOW, JR., of Johnstown, Pa., B. S. University of Pittsburgh, 1971.
- FRANK RICHARD CRANTZ, of Oak Park, Mich., A. B. University of Michigan, 1969; B. A. (Hons). Cambridge University, 1971.
- GREGORY L. DAY, of Beardstown, Ill., B. S. University of Illinois, 1971.
- PARK ELLIOTT DIETZ, of Camp Hill, Pa., A. B. Cornell University, 1970.
- ELLEN MARIE DILLINGER, of Madison, Wis., B. A. University of Wisconsin, 1971.
- DREW BRIKEN DILLMAN, of Roosevelt, Utah, B. S. University of Utah, 1971.
- PAUL WILLIAM DLABAL, JR., of Herington, Kan., B. A. Kansas State University, 1971.
- GEORGE FREDERICK STEPHEN DRINKA, of Wauwatosa, Wis., B. A. Boston College, 1971.
- LELAND WILMOT EATON, of Plainview, Tex., B. A. University of Kansas, 1971.
- BENNETT B. EDELMAN, of New York, N. Y., B. S. Yale University, 1971.
- RICHARD WARREN ERICKSON, of Plantation, Fla., B. S. University of Florida, 1971.
- SANDRA KREPLICK FERNBACH, of Lynn, Mass., B. A. Smith College, 1970.
- JOHN HOWARD FETTING III, of Baltimore, Md., B. A. College of the Holy Cross, 1971.
- KENNETH HOWARD FIFE, of Logansport, Ind., B. A. Johns Hopkins University, 1972.
- MAURICE KENT GATELY, of Syracuse, Neb., B. A. Johns Hopkins University, 1968; Ph. D., 1974.
- HAROLD STANLEY GEWIRTZ, of Belle Harbor, N. Y., B. A. University of Pennsylvania, 1971.
- GORDON DEAN GINDER, of Arenzville, Ill., B. S. University of Illinois, 1971.
- MARTIN JOSEPH GLYNN IV, of Rockville Centre, N. Y., B. S. Fairfield University, 1971.
- STUART GOLDFARB, of Franklin Square, N. Y., B. S. Rensselaer Polytechnic Institute, 1971; M. S., 1971.
- JONATHAN CARLTON GOLDWEITZ, of Wellesley Hills, Mass., B. A. Johns Hopkins University, 1971.
- RICHARD WILDER GOODGAME, of Clearwater, Fla., B. A. Vanderbilt University, 1971.
- CAROLYN L. GOULD, of Bridgeton, N. J., B. A. Douglass College, 1971.
- RICHARD STEVENSON GRAHAM, of Laurel, Md., A. B. Stanford University, 1971.
- LOUISE BARNETT GROCHOW, of Silver Spring, Md., B. S. Massachusetts Institute of Technology, 1971.
- THOMAS GUARNIERI, of Warren, Ohio, B. S. University of Notre Dame, 1971.
- PHILIP ROLLINS HANLON, of Kenilworth, Ill., B. A. Duke University, 1971.
- GARY ARNOLD HANSON, of Baltimore, Md., B. A. Loma Linda University, 1969.
- DOUGLAS PAUL HEIN, of Orange, Calif., B. A. Johns Hopkins University, 1971.
- THOMAS EUGENE HERMAN, of Ballwin, Mo., B. A. Dartmouth College, 1971.
- PETER LANMAN HINE, of Huntington, N. Y., B. S. Bates College, 1971.
- BARBARA JO HOWARD, of Weston, Mass., B. A. Cornell University, 1971.
- JANE DOUGLAS KIVLIN, of Bowling Green, Ohio, A. B. Boston University, 1971.
- WILLIAM ANDREW KLEPACK, of Royal Oak, Mich., B. S., M. S. Massachusetts Institute of Technology, 1970.
- EVERETT RAY KNIGHT, of Indianapolis, Indiana, B. A. Wabash College, 1969.

- KATHRYN A. KOCH, of Baltimore, Md., B. A. Johns Hopkins University, 1972.
- KARL HEMINGWAY KRIEGER, of Missoula, Mont., B. A. Amherst College, 1970; B. M. S. Dartmouth Medical School, 1973.
- GEORGE H. KUFFNER, JR., of South Plainfield, N. J., B. A. Johns Hopkins University, 1971.
- KAREN MARIE KUMOR, of Cleveland, Ohio, B. S. University of Dayton, 1969; M. A. Johns Hopkins University, 1974.
- GEORGE VANCE LAWRY II, of San Francisco, Calif., A. B. Stanford University, 1971.
- GARY FRANCIS LEANZ, of Morgantown, Pa., A. B. Princeton University, 1971.
- CATHERINE TSEN-YEN LEE, of New York, N. Y., B. S. City College of New York, 1971.
- ANTHONY DEE LEHNER, of Dayton, Ohio, B. S. University of Dayton, 1971.
- R. SCOTT LEIGHTON, of Limestone, Me., B. S. University of Maine, 1971.
- JOHN JAY LEMASTERS, of Valley Forge, Pa., B. A. Yale University, 1969; Ph. D. Johns Hopkins University, 1974.
- SAMUEL M. LIBBER, of Kensington, Md., B. S. University of Leeds, 1970; B. A. Johns Hopkins University, 1972.
- ROGER WILLIAM LIDMAN, of Norfolk, Va., B. A. Duke University, 1971.
- CHRISTINE LLOYD, of New York, N. Y., A. B. Goucher College, 1971.
- TYRONE CECIL MALLOY, of St. Albans, N. Y., B. A. New York University, 1971.
- ROBERT JAY MARX, of Northbrook, Ill., B. S. University of Michigan, 1971.
- DAVID MICHAEL MAYER, of Baltimore, Md., B. A. Johns Hopkins University, 1971.
- ERIC MICHAEL MAZUR, of Fairfield, Conn., B. S. E. Princeton University, 1971.
- JAMES PAUL MCTAMANEY, of Newburgh, N. Y., B. S. Manhattan College, 1971.
- MARILYN MILLER, of Harbor Isle, N. Y., A. B. Barnard College, 1971.
- ERIC STEVEN MILLMAN, of Maplewood, N. J., B. S. Union College, 1971; B. M. S. Dartmouth Medical School, 1973.
- ANDREW MORGAN, of Dallas, Tex., B. A. Washington University, 1971.
- LAURA MAE MUMFORD, of Dolton, Ill., A. B. Hope College, 1971.
- DOMINIC JERRY NARDI, of Springfield, Mass., B. A. Johns Hopkins University, 1972.
- DENNIS ALAN NOE, of San Antonio, Tex., B. A. The Johns Hopkins University, 1972.
- FRANCIS EDWARD O'DONNELL, JR., of St. Louis, Mo., B. A. Johns Hopkins University, 1972.
- WILLIAM MCKINLEY PARHAM III, of Columbus, Ohio, B. A. Harvard College, 1970.
- CLAUDE ANTHONY PIANTADOSI, of Chapel Hill, N. C., B. A. University of North Carolina, 1971.
- DANIEL H. RYAN, of Pittsburgh, Pa., B. S. University of Notre Dame, 1971.
- THOMAS ELISEO SÁNCHEZ, of Tulsa, Okla., B. S. University of Tulsa, 1971.
- EDWARD WILLIAM SCHAEFER, JR., of Washington, D. C., B. A. Johns Hopkins University, 1970.
- PHILIP A. SCHECHTER, of Northbrook, Ill., B. A. Johns Hopkins University, 1972.
- CYNTHIA SCHNEIDER, of Oakland, Calif., A. B. University of California at Berkeley, 1966; M. A. University of Wisconsin, 1968.
- STUART E. SELONICK, of Cincinnati, Ohio, B. A. Williams College, 1971.
- ROBERT CHARLES SERGOTT, of Wynnwood, Pa., B. A. Johns Hopkins University, 1971.
- MARCIA ROCHELLE SILVER, of Baltimore, Md., B. A. Johns Hopkins University, 1972.
- KENNETH JAY SILVERMAN, of Rochester, N. Y., B. A. Johns Hopkins University, 1972.
- ROBERT PEASE SMITH, JR., of Cheshire, Conn., A. B. Harvard College, 1971; B. M. S. Dartmouth Medical School, 1973.
- ROSE D. SPITZ, of Brooklyn, N. Y., A. B. Barnard College, 1971.
- MARION CAROL STEIN, of Scarsdale, N. Y., A. B. Radcliffe College, 1971.
- JAMES COOPER STRINGER, of Wilmette, Ill., A. B. University of California at Berkeley, 1971.
- BRIAN LESLIE STROM, of Floral Park, N. Y., B. S. Yale University, 1971.
- EDWIN B. STRUVE, of Chatham, N. J., A. B. University of California at Berkeley, 1971.
- BRUCE TERRY TAYLOR, of Baltimore, Md., B. A. Haverford College, 1971.
- CLAUDIA LYNN THOMAS, of South Ozone Park, N. Y., B. A. Vassar College, 1971.
- J. WALTON TOMFORD, of Memphis, Tenn., A. B. Harvard College, 1971.
- RICHARD BARRY WEINBERG, of Newton Centre, Mass., A. B. Harvard College, 1971.

- WILLIAM SETH WEINTRAUB, of New York, N. Y., B. S. Tufts University, 1971.
- RICHARD MARC WEXLER, of Baltimore, Md., B. A. University of Pennsylvania, 1971.
- PATRICIA NANCY WHITLEY, of Boston, Mass., B. S. Simmons College, 1971.
- DIANA WHITTLESEY, of Chappaqua, N. Y., B. A. Radcliffe College, 1972.
- SHELBY RAY WILKES, of Baltimore, Md., B. A. Alcorn A & M College, 1971.
- LANITA C. WITT, of Panhandle, Tex., B. S. Texas Woman's University, 1971.
- DWIGHT IRVING WOITESHEK, of Racine, Wisc., B. A. Macalester College, 1971.
- WAYLAND WONG, of San Antonio, Tex., B. A. University of Texas at Austin, 1971.
- MICHAEL VICTOR WREN, of San Francisco, Calif., B. S. Rensselaer Polytechnic Institute, 1971.
- ANDREW MICHAEL YEAGER, of Baltimore, Md., B. A. Johns Hopkins University, 1972.
- EDWARD LAWRENCE YOURTEE, of Baltimore, Md., B. A. Amherst College, 1967.
- KENNETH GEORGE ZAHKA, of West Newton, Mass., A. B. Boston University, 1971.
- ANN INGRID ZIMMERMAN, of Baltimore, Md., B. S. Michigan State University, 1964; M. S., 1971.
- WILLIAM MICHAEL ZINN, of Franklin Square, N. Y., B. A. Harvard College, 1969.

DOCTORS OF PHILOSOPHY

in the Faculty of Medicine

- PAUL JAMES ABBAS, of Baltimore, Md., B. S. Massachusetts Institute of Technology, 1969. Biomedical Engineering.
Discharge Rate of Auditory-Nerve Fibers to Two-Tone Stimuli: An Experimental Study and a Model.
- EVELYN RUTH BARRACK, of Montreal, Quebec, Canada, B. Sc. McGill University, 1970. Pharmacology and Experimental Therapeutics.
Models for Studying the Interactions of Acidic Polymers with Eukaryotic Nuclei.
- DONALD GEORGE BATES, of Baltimore, Md., B. A. The University of Western Ontario, 1960, M. D., 1958. History of Medicine.
Thomas Sydenham: The Development of His Thought, 1666-1676.
- GEORGE VANN BENNETT, of Kailua, Hawaii, A. B. Stanford University, 1970. Pharmacology and Experimental Therapeutics.
Adenylate Cyclase and the Mechanism of Action of Cholera Toxin.
- KENNETH DONALD CLINKENBEARD, of Redding, Calif., B. S. University of California, Davis, 1970. Physiological Chemistry.
On the Involvement of Cytoplasmic HMG-CoA Synthase in Cholesterol Synthesis.
- WILLIAM ALLEN COTY, of Panorama City, Calif., B. S. California Institute of Technology, 1969. Physiological Chemistry.
Phosphate Transport in Rat Liver Mitochondria.
- BLISS FORBUSH III, of Baltimore, Md., A. B. Harvard College, 1967. Physiology.
Sodium and Potassium Fluxes in the Dialyzed Giant Axon of Myxicola infundibulum.
- CELIA LIN GATELY, of Rochester, N. Y., B. S. Cornell University, 1970. Microbiology.
Studies of the Physicochemical Properties of Guinea Pig Mitogenic Factor and its Role in Cellular Immunity.
- ROBERT ERIC JOHNSON, of Los Angeles, Calif., B. S. University of California, Davis, 1967. Physiological Chemistry.
The Measurement of Reaction Rates With a Flow Microcalorimeter and Its Application to Enzyme Kinetics.
- SHARON SOPHIA KRAG, of El Campo, Texas, B. S. Texas Lutheran College, 1969. Physiological Chemistry.
Membrane Lipid Metabolism in Wild-Type and Mutants of Bacillus subtilis.
- JOHN JAY LEMASTERS, of Valley Forge, Pa., B. A. Yale University, 1969. Anatomy.
Studies of Oxidative Phosphorylation with Firefly Luciferase Luminescence.
- RANDALL REEDER LONG, of Stevenson, Md., B. A. Duke University, 1970. Physiology.
The Sensitivity to Heat of Cold Fibers Innervating the Glabrous Skin of the Monkey: The Paradoxical Cold Discharge.
- JOSEPH GEORGE MALPELI, of Yonkers, N. Y., B. S. Massachusetts Institute of Technology, 1967. Physiology.
The Representation of the Visual Field in the Lateral Geniculate Nucleus of Macaca Mulatta.
- GAVRIL WILLIAM PASTERNAK, of Hempstead, N. Y., B. A. Johns Hopkins University, 1969; M. D., 1973. Pharmacology and Experimental Therapeutics.
Differentiation and Characterization of Opiate Agonist and Antagonist Binding.

GEORGE H. SACK, JR., of Baltimore, Md., B. A. Johns Hopkins University, 1965; M. D., 1968. Microbiology.

The Use of Restriction Endonuclease Hpa-I in the Analysis of the Genome of Simian Virus 40.

WILLIAM EASTON WALKER, of Houston, Texas, M. B., Ch. B. University of Glasgow, 1968. Physiology.

The Influence of Changes of Aortic Input Impedance on the Dynamics of Left Ventricular Performance.

PAUL HENRY WEIGEL, of Baltimore, Md., A. B. Cornell University, 1968. Physiological Chemistry.

Studies on DNA Replication in Escherichia coli.

RUTH SUZANNE JARIN ZUKIN, of Baltimore, Md., B. A. Bryn Mawr College, 1970. Physiological Chemistry.

Nuclear Relaxation Studies of the Role of Metal in E. Coli Alkaline Phosphatase.

DOCTORS OF PHILOSOPHY

in the Faculty of Arts and Sciences

TILAK KRISHNA MAHESH AGERWALA, of New Delhi, India, B. Tech. Indian Institute of Technology, Kanpur, 1971. Electrical Engineering.

Towards a Theory for the Analysis and Synthesis of Systems Exhibiting Concurrency.

MARC ARLEN ANDERSON, of Brodhead, Wis., B. S. Wisconsin State University, 1967; M. A. The Johns Hopkins University, 1972. Geography.

Arsenate Adsorption on Amorphous Aluminum Hydroxide.

HALUK ARITURK, of Istanbul, Turkey, B. S. Robert College, Turkey, 1971. Mathematics.

The Siegel-Weil Formula for Orthogonal Groups.

DENNIS LEE ARMSTRONG, of Long Beach, Calif., A. B. Occidental College, 1969; M. A. The Johns Hopkins University, 1972. English.

E. Nesbit: An Entrance to the Magic City.

INÉS AZAR, of Washington, D. C., M. A. Universidad de Buenos Aires, 1963; M. A. The Johns Hopkins University, 1969. Romance Languages.

Discurso Retórico y Mundo Pastoral en la Egloga II de Garcilaso.

ANTHONY JULIUS BARBERA, of Miami, Okla., B. E. E. Catholic University of America, 1966. Biophysics.

Adhesive Recognition between Cells of the Neural Retina and Optic Tectum in the Developing Chick Embryo.

STEPHEN LYLE BAUMGARTNER, of Houston, Texas, B. S. Cornell University, 1971. Electrical Engineering.

Nonlinear System Identification from Frequency Response Data.

PAULA KAYE BENKART, of Youngstown, Ohio, B. A. Ohio State University, 1969; M. A. The Johns Hopkins University, 1971. History.

Religion, Family and Community Among Hungarians Migrating to American Cities, 1880-1930.

JOHN HENRY BENOIT, of Niagara Falls, Ontario, B. A. University of Guelph, Canada, 1969. Social Relations.

Individual Risk Taking as a Function of Cognitive Complexity.

THOMAS LUTHER BENSON, of Westminster, Md., A. B. Augustana College, 1962; S. T. B. Harvard Divinity School, 1966; M. A. The Johns Hopkins University, 1969. Education.

The Concept of "Indoctrination": A Philosophical Study.

EMILIE LOUISE BERGMANN, of St. Louis, Mo., M. A. The Johns Hopkins University, 1971. Romance Languages.

Art Inscribed: Essays on Ekphrasis in Spanish Golden Age Poetry.

LEONARD JAY BERKOWITZ, of York, Pa., A. B. Duke University, 1967; M. A. The Johns Hopkins University, 1974. Philosophy.

The Observational-Theoretical Distinction in the Philosophy of Science of Logical Empiricism.

SANDRA LYN BIROC, of Los Angeles, Calif., B. A. San Fernando Valley State College, 1970. Biology.

The Histones of Xenopus laevis: Radioactive Iodination of Bulk Chromatin and Histone Synthesis during Ribosomal DNA Amplification in Developing Oocytes.

- JON DOUGLAS BOSHART, of Jersey City, N. J., B. A. Wadham Hall, 1968; M. A. The Johns Hopkins University, 1973. Humanities Center.
Giovanni Boccaccio's Amorosa Visione.
- ROBERT FULKERSON BOUGHNER, of West Mifflin, Pa., A. B. Duke University, 1968; M. A. The Johns Hopkins University, 1969. Classics.
Tertullian the Satirist.
- MICHAEL FRANCIS BRENSON, of Gainesville, Fla., B. A. Rutgers University, 1964; M. A. The Johns Hopkins University, 1968. History of Art.
The Early Work of Alberto Giacometti: 1925-1935.
- INGE BRETHERTON, of Boulder, Colo., B. A. The Johns Hopkins University, 1971; M. A., 1972. Psychology.
Making Friends with One-Year Olds: An Experimental Study of Infant-Stranger Interaction.
- RICHARD ALBERT BRISBIN, JR., of Sewickley, Pa., B. A. West Virginia Wesleyan College, 1969; M. A. The Johns Hopkins University, 1973. Political Science.
The Power to Judge: An Application of Administrative and Organizational Theories to the Judicial Process.
- MARGUERITE ELIZABETH BRYAN, of New Orleans, La., B. A. New College, 1970. Social Relations.
The Social Psychology of Riot Participation.
- LYNNE C. BURKHART, of New York, N. Y., B. A. American University, 1971. Social Relations.
The Politics of Race and Class in a New Town.
- CAROL ANN CAPERELLI, of Jessup, Pa., B. S. Pennsylvania State University, 1970. Chemistry.
Synthesis and Study of Deuterated Noradamantyl Substrates.
- CHIA-CHI CHIANG, of Hu-pei Province, Republic of China, B. S. National Taiwan University, 1970; M. A. The Johns Hopkins University, 1973. Mathematics.
A Note on Bordism and S^1 -Actions.
- ROBERT PAUL CHURCHILL, of Falls Church, Va., B. A. The Johns Hopkins University, 1969; M. A., 1973. Philosophy.
Civil Disobedience: Definition and Justification.
- CURTIS GERALD COOK, of Monument, Colo., B. S. United States Air Force Academy, 1959; M. A. The Johns Hopkins University, 1965. Political Science.
Strategies of the Federal Bureaucracy in Dealing with Congress: Exchange.
- CHERYL MARIA CORSARO, of Cleveland, Ohio, B. S. St. Mary's College, Indiana, 1969. Biology.
Genetic Studies of Human Diploid Cells in Culture: (A) Contact-feeding; (B) Mutagen-induced Ouabain Resistance.
- MARGARET ANNE FARRIS COURTRIGHT, of Rochester, N. Y., B. A. Radcliffe College, 1965. International Studies.
Times of Transition: Issues and Alternatives in Late Victorian and Contemporary American Foreign Policies.
- WILLIAM GLEN CUMBERLAND, of Montreal, Quebec, Canada, B. S. McGill University, 1968; M. A. The Johns Hopkins University, 1972. Mathematical Sciences.
Dynamics of Populations with Ornstein-Uhlenbeck Vital Rates.
- HERMAN LEE DANTZLER, JR., of Arnold, Md., B. S. United States Naval Academy, 1968; M. A. The Johns Hopkins University, 1972. Earth and Planetary Sciences.
A Study of the Oceanic Meso-Scale Eddy Field.
- LUTHER SAMUEL DITMAN, JR., of Baltimore, Md., B. E. S. The Johns Hopkins University, 1964; M. S. Lehigh University, 1966. Electrical Engineering.
High Resolution Emission Spectra of Laser-Excited Molecular Iodine.
- DENNIS ORAN DIXON, of Texas City, Texas, B. S. Southern Methodist University, 1966; M. S., 1968. Mathematical Sciences.
Interval Estimates Derived from Bayes Testing Rules and their Application to the Multiple Comparisons Problem.
- RAYMOND GERARD DOBARD, of New Orleans, La., B. A. Xavier University, 1970; M. A. The Johns Hopkins University, 1973. History of Art.
Subject Matter in the Work of Käthe Kollwitz: An Investigation of Death Motifs in Relation to Traditional Iconographic Patterns.
- SUSAN ANN GRAVES DOERING, of Baltimore, Md. Social Relations.
Femininity Scales and First Pregnancy.
- ROBERT CHRISTOPHER SIBSON DOLMAN, of Worcester Park, England, B. A. Cambridge University, 1965; M. A. The Johns Hopkins University, 1966. English.
Formal Implications of Staging in Elizabethan Metatheatre.
- DANIEL HOWARD DUMAN, of Maplewood, N. J., A. B. Rutgers College, 1970; M. A. The Johns Hopkins University, 1972. History.
English Judges 1730-1875: A Social, Economic and Institutional Study.
- BRUCE KEVIN DUNCAN, of San Francisco, Calif., B. A. University of California, Davis, 1968. Biology.
The Purification of Staphylococcus Aureus Deoxycytidylate Deaminase and its Regulation Through Subunit Interactions.
- PETAR M. DZADZIC, of Novi Sad, Yugoslavia, Diploma University of Novi Sad, Yugoslavia, 1963; M. A. The Johns Hopkins University, 1973. Chemistry.
On the Mechanism of Deamination.

- KEITH RANDALL EBERHARDT, of Los Angeles, Calif., B. S. Case Institute of Technology, 1969. Mathematical Sciences.
On Variance Estimation in Finite Populations.
- JOHN MORTON ELLIOTT, of Gambier, Ohio, A. B. Cornell University, 1966; M. A. The Johns Hopkins University, 1968. Political Science.
Communication and Small Groups in Congress: The Case of Republicans in the House of Representatives.
- CLIFFORD LAMAR ELMORE, of Washington, D. C., B. A. Georgia State College, 1967; M. A. The Johns Hopkins University, 1969. German.
Johannes Klaj and his Lyrical Poetry of Peace.
- CHARLES TIBBALS FEAZEL, of Birmingham, Ala., B. A. Ohio Wesleyan University, 1967; M. A. The Johns Hopkins University, 1969. Earth and Planetary Sciences.
Ecozonation and Sediment Distribution of Three Coral Reef Areas on St. John, Virgin Islands.
- DOUGLAS HENRY FEIOCK, of McLeansboro, Ill., B. A. State University of Iowa, 1964. Physics.
 $K^+p \rightarrow K^+\pi^+\pi^-p$ at 6.8 GeV/c with Prism Plot Analysis.
- EVELYN BLESS FIEBERLING, of Pasadena, Calif., A. B. Stanford University, 1966; M. A. Columbia University, 1967; M. A. The Johns Hopkins University, 1969. English.
The Magician in Italian and English Renaissance Drama: A Study of Pastoral and Comedy.
- JOHN ERNEST FIEBERLING, of Pasadena, Calif., A. B. Stanford University, 1966; M. A. The Johns Hopkins University, 1968. English.
The Real Substantial Chivalry: Character and Society in Smollett's Politics.
- JAMES MICHAEL FINLAN, of Cuba, N. Y., B. S. Clarkson College of Technology, 1970. Chemistry.
Study of Potential Energy Curves for Diatomic Molecules: A New Analytic Expansion.
- HELEN L. FOX, of Bethesda, Md., A. B. University of Michigan, 1969. Geography.
Effects of Urbanization on the Patuxent River, with Special Emphasis on Sediment Transport, Storage and Migration.
- HENRY ARNOLD FREEDMAN, of North Swanzey, N. H., B. S. Massachusetts College of Art, 1961; M. A. University of Maryland, 1967. History of Art.
Jack Levine: Painter and Protestor.
- DAVID LEE GARRISON, of Baltimore, Md., B. A. Wesleyan University, 1968; M. A. Catholic University of America, 1972. Romance Languages.
An Annotated Edition, Translation and Study of Selected Satiric and Burlesque Ballads of Don Luis de Góngora y Argote.
- LEO DAVID GEOFFRION, of Exeter, N. H., B. S. Massachusetts Institute of Technology, 1969. Psychology.
Lateral Masking and the Word Superiority Effect.
- JOHN WATSON GILES, JR., of Wichita, Kans., M. S. Wichita State University, 1969; M. A. The Johns Hopkins University, 1971. Physics.
The Far Ultraviolet Spectrum of Jupiter.
- GROVER CLEVELAND GILMORE, of Jamaica Plain, Mass., A. B. Brandeis University, 1971; M. A. The Johns Hopkins University, 1973. Psychology.
Interaction among Letters in a Visual Display.
- JON LAWRENCE GOHN, of Ann Arbor, Mich., B. A. University of Pennsylvania, 1971; M. A. The Johns Hopkins University, 1973. English.
The Novels of Kingsley Amis: A Reading.
- RICHARD MARTIN GOLDEN, of St. Petersburg, Fla., B. A. Vanderbilt University, 1969; M. A. The Johns Hopkins University, 1972. History.
The Godly Rebellion: Parisian Curés and the Religious Fronde.
- I. DAVID GRAFSTEIN, of Montreal, Quebec, Canada, B. A. University of Waterloo, 1965; M. A. Northeastern University, 1968. Social Relations.
Social Concomitants of Self Satisfaction Among College Students.
- WILLIAM EVERETT GRIZZLE, of Birmingham, Ala., A. B. Harvard College, 1965. Biophysics.
Hypothalamic Control of Adrenocorticotrophic Hormone (ACTH).
- ROBERT H. GROSS, of Baltimore, Md., B. E. S. Rensselaer Polytechnic Institute, 1967; M. S., 1968. Biophysics.
The RNA Polymerases from Drosophila Melanogaster.
- PAUL ALCOTT HAGER, of Rome, N. Y., A. B. Princeton University, 1964. History.
Andrew Johnson of East Tennessee.
- RICHARD JAY HAIR, of Kenmore, N. Y., B. A. State University of New York, Buffalo, 1971; M. A. The Johns Hopkins University, 1973. Psychology.
Moral Reasoning and Moral Character: A Comparison of the Kohlberg and Hogan Models.
- JAMES WALKER HALL, of Bowling Green, Ohio, B. S. Bowling Green State University, 1967; M. A. The Johns Hopkins University, 1973. Philosophy.
Self-Prediction and Free Will.
- WARREN GRIMES HALL, of Baltimore, Md., B. A. University of Arizona, 1971; M. A. The Johns Hopkins University, 1973. Psychology.
The Ontogeny of Ingestive Behavior in the Rat.

- NANCY VIRGINIA HAMLETT, of Pensacola, Fla., B.S. University of Florida, 1967; M.S., 1969. Biology.
Sublethal Mutants of Bacteriophage T4 Affecting Recombination and Repair of DNA.
- GREGORY CHRISTOPHER HAN, of Brooklyn, N.Y., B.E. The Cooper Union, 1968; M.S. Cornell University, 1970; M.A. The Johns Hopkins University, 1974. Earth and Planetary Sciences.
Salt Balance and Exchange in the Rhode River, a Tributary Embayment to the Chesapeake Bay.
- MARJA ANN WAREHIME HANSON, of Baltimore, Md., B.A. Bucknell University, 1968; M.A. The Johns Hopkins University, 1971. Romance Languages.
Paradox and Contradiction: André Breton's Problems in Defining Surrealism.
- FRANCES ELLEN STEINBERG HARNICK, of Baltimore, Md., B.A. Franklin and Marshall College, 1972. Psychology.
The Development and Evaluation of a Style-Oriented Curriculum for Infants.
- THOMAS LEE HEACOX, of Altoona, Pa., B.A. Pennsylvania State University, 1965; M.A. The Johns Hopkins University, 1966. English.
The Fiction of E. M. Forster.
- JOHN ROBERT HEWSON, of Sydney, Australia, B. of Economics, University of Sydney, 1968; M.A. University of Saskatchewan, 1969; M.A. The Johns Hopkins University, 1973. Political Economy.
Liquidity Creation and Distribution in Euro-Currency Markets.
- DAVID JAMES HOUCK, JR., of Cockeysville, Md., B.A. The Johns Hopkins University, 1970. Mathematical Sciences.
On the Vertex Packing Problem.
- JOEL STEWART ISH, of Salinas, Calif., B.A. The Johns Hopkins University, 1969; M.A., 1971. Political Science.
Judicial Recruitment in Urban Politics: A Comparative Analysis.
- RAMAKRISHNA SUBRAMANIAM IYER, of Hyderabad, India, B.Tech. Indian Institute of Technology, India, 1968. Electrical Engineering.
Photocount Product Statistics with Applications to Estimation of Optical Mean Field Intensities.
- IRWIN CLAY JACOBS, of Glen Burnie, Md., B.S. Drexel Institute of Technology, 1970. Chemistry.
The Synthesis and Chemistry of Azacycloheptane Derivatives.
- GUILLERMINA JASSO, of Laredo, Texas, B.A. Our Lady of the Lake College, 1962; M.A. University of Notre Dame, 1970. Social Relations.
An Empirical Investigation of Distributive Justice: The Case of Earned Income.
- CRAIG THURLOW JOHNSON, of New Berlin, Wis., B.A. University of Wisconsin, 1970; M.A. The Johns Hopkins University, 1972. Psychology.
Hippocampal Connections and the Integration of Behavior.
- MICHAEL JOHN KELLY, of Bozeman, Mont., B.S. Montana State University, 1970. Psychology.
Limited Vocabulary Natural Language Dialogue.
- THADDEUS ELLIOTT KELLY, of New York, N.Y., M.D. Medical University of South Carolina, 1963. Biology.
The Mucopolysaccharidoses and Mucopolipidoses: Clinical and Laboratory Studies with Special Emphasis on Mucopolipidosis III (Pseudo-Hurler Polydystrophy).
- THOMAS EARL KENNEDY, of Piedmont, Calif., B.A. University of California, Santa Barbara, 1969; M.A. The Johns Hopkins University, 1974. Political Economy.
Regulatory Control of Monopoly: Limitations, Methods, and Effects.
- WILLIAM JOSEPH KENT, of Charleston, S.C., A.B. Rutgers College, 1971; M.A. The Johns Hopkins University, 1973. Humanities Center.
Purpose and Activity.
- MICHAEL GRAY KETCHAM, of Reading, Pa., B.A. University of Washington, 1969; M.A. The Johns Hopkins University, 1972. English.
The Inward Disposition of the Mind Made Visible: A Study of the Spectator Papers.
- DOOCHUL KIM, of Seoul, Korea, B.S. Seoul National University, 1970. Electrical Engineering.
Statistics of the Potts and the Schrödinger Exchange Models.
- GARY MICHAEL KLAUBER, of New York, N.Y., B.S. Case Western Reserve University, 1971. Electrical Engineering.
Airborne Field Study of Power Plant Plumes: O₃, NO_x, and SO₂ Chemistry.
- JOSEPH CLEVELAND KOZIAR, of Baltimore, Md., B.A. The Johns Hopkins University, 1968. Chemistry.
External and Internal Heavy-Atom Effects on the Photochemistry of Acenaphthylene.
- FREDERICK SCOTT KRALY, of Whiting, Ind., B.A. University of Notre Dame, 1970; M.A. The Johns Hopkins University, 1972. Psychology.
An Analysis of the Glucostatic and Termostatic Controls of Feeding in Rats.
- BLANCA LOUISE KUGLER, of Baltimore, Md., A.B. Goucher College, 1969. Chemistry.
Investigation of the Mechanism of Propylene Oxidation Over Zinc Oxide.
- EDWIN LEE KUGLER, of Washington, D.C., B.S. Dickinson College, 1967. Chemistry.
Investigation of the Mechanism of Nitrogen Oxide Reduction on Chromia.

- KING TAK LEE, of Kuala Lumpur, Malaysia, B. S. University of Malaya, 1970; M. S. E. The Johns Hopkins University, 1974. Mathematical Sciences.
A Non-cooperative Trading Game.
- MICHAEL ELDRIDGE LOFTUS, of Washington, D. C., B. S. University of Maryland, 1967. Biology.
Some Studies of Phytoplankton Standing Crops and Productivity of Natural Populations in the Chesapeake Bay.
- ROBERT LANCASTER LUCKE, of Clinton, Md., B. A. The Johns Hopkins University, 1968; M. A., 1971. Physics.
The Far Ultraviolet Albedo of the Moon.
- EDWARD NICOLAE LUTTWAK, of Washington, D. C., B. Sc. London School of Economics and Political Science, 1964. International Studies.
Force and Diplomacy in Roman Strategies of Imperial Security.
- THEODORE FRANCIS MACALUSO, of Brooklyn, N. Y., B. A. State University of New York at Binghamton, 1969; M. A., 1971. Political Science.
Parameters of Responsible Voting: Issues and the American Electorate, 1952-1968.
- MARGARET ELIZABETH MOONEY MARINI, of Seattle, Wash., A. B. Goucher College, 1969. Social Relations.
Individual and Contextual Influences on the Future Orientations of Adolescents.
- GARY ERVIN MARX, of Sykesville, Md., B. S. E. E. University of Utah, 1964; M. S. The Johns Hopkins University, 1968. Electrical Engineering.
Joint Photo Counting Probability Distributions.
- GAIL LYNN RESNICK MASSEY, of Savannah, Ga., B. S. Emory University, 1968. Biology.
Guinea Pig Idiotype: Xenogenic, Allogenic and Syngenic Recognition.
- PAUL McCUNE MAYFIELD, of McKeesport, Pa., A. B. Cornell University, 1969; M. A. The Johns Hopkins University, 1973. Philosophy.
Knowledge and Being in Plato's Republic.
- SUSAN ADELE NEWMARK MAYFIELD, of Urbana, Ill., A. B. Cornell University, 1968; M. A. The Johns Hopkins University, 1971. Romance Languages.
The House of Games: The Fictional Works of Charles Sorel.
- WAYNE RICHARD MCKINNEY, of North East, Md., B. A. The Johns Hopkins University, 1969; M. A., 1971. Physics.
The Far Ultraviolet Spectrum of Arcturus.
- PAUL DOMINIC McNELIS, of Cambridge, Mass., B. A. Boston College, 1970. Political Economy.
A Simulation Analysis of Monetary Policy and Macroeconomic Adjustment.
- DANIEL MERUELO, of Stanford, Calif., B. S. Columbia University, 1969. Biology.
Modulation of Cyclic-AMP Levels by the Histocompatibility-2 Locus.
- SUZANNE ESTELLE MEYER MITTENTHAL, of West Lafayette, Ind., B. A. Reed College, 1964. Social Relations.
Some Developmental Antecedents of Career Orientation and Related Differentiation of Student and Data Roles.
- MARILYN MAUDE MORRELL, of Logan, Utah, B. S. Utah State University, 1967. Chemistry.
Two Studies in Quantum Chemistry: I. Ionization Potentials from the Wavefunction, and the Long Range Behavior of Natural Orbitals and of Electron Density. II. The Sturm-Liouville Properties of the Atomic Canonical Hartree-Fock Equations.
- JOEL MORTON MORRIS, of Columbia, Md., B. S. E. E. Howard University, 1966; M. S. E. E. Polytechnic Institute of Brooklyn, 1970. Electrical Engineering.
Source Encoding of a Class of Discrete-time Signal Sources by Robust Quantization.
- RENÉ JOSEPH MULLER, of Baltimore, Md., B. A. University of Notre Dame, 1962. Chemistry.
Precise Spectrophotometric Determination of Deuterium Isotope Effects for the Solvolysis of Norbornyl Broylates.
- GENE ELWOOD MUMY, of Denver, Colo., B. A. University of Colorado, 1970. Geography.
The Economic Theory of City User Fees.
- ROBERT GARY MUNCASTER, of Sudbury, Ontario, Canada, H. B. Sc. Laurentian University, Canada, 1971. Mechanics and Materials Science.
Constitutive Relations in the Kinetic Theory of Gases.
- TSUN-SHI NANCY HSIEH NEE, of Taiwan, China, B. S. National Tsing Hua University, Taiwan, 1970; M. A. The Johns Hopkins University, 1972. Chemistry.
Studies of the Internal-Rotation Barrier of the Ethane Molecule.
- DANIEL NEWLYN NELSON, of Minneapolis, Minn., B. A. University of Minnesota, 1970; M. A. The Johns Hopkins University, 1972. Political Science.
Sub-National Politics in a Developing Communist Party-State: A Study of Romanian People's Councils.
- HUU PHUOC NGUYEN, of Arlington, Va., B. A. University of Oxford, 1966. Mathematical Sciences.
On Properties of Dynamic Multi-Commodity Networks.
- MIEKO NISHIMIZU, of Osaka, Japan, A. B. Goucher College, 1970. Political Economy.
Total Factor Productivity Analysis: A Disaggregated Study of the Post-War Japanese Economy with Explicit Consideration of Intermediate Input.

- PETER NICHOLAS NOVALIS, of Locust Valley, N. Y., A.B. Columbia University, 1970; M.A. The Johns Hopkins University, 1972. Philosophy.
Adequate Translation: A Critique of W. V. Quine's Indeterminacy Thesis.
- JANIS LYNN McELVEEN O'DONNELL, of Brooklet, Ga., B.S. University of Georgia, 1969. Biology.
A Biochemical and Cytogenetic Analysis of the Adh Locus of Drosophila Melanogaster.
- MARY ELLEN PHILLIPS OLIVERI, of Lancaster, Pa., B.A. Trinity College, 1971; M.A. The Johns Hopkins University, 1973. Psychology.
The Use and Effectiveness of a Verbal Strategy for Memory in Preschoolers: A Social Class Comparison.
- CHARLES MONROE OVERBEY, of Santa Barbara, Calif., B.S. Rose Polytechnic Institute, 1960; M.A. The Johns Hopkins University, 1970. Psychology.
The Effects of Similar and Dissimilar Communication Channels and Two Interchange Conditions on Team Problem Solving.
- WALTER JOSEPH PASCIAK, of Cumberland, R. I., B.S. New York University, 1971. Environmental Engineering.
Transport Limitation of Nutrient Uptake in Phytoplankton.
- MILAN JOSEPH PAVICH, of Reston, Va., B.A. Franklin and Marshall College, 1969. Earth and Planetary Sciences.
A Study of Saprolite Buried Beneath the Coastal Plain in South Carolina.
- THOMAS ROBERT PENTZ, of Baltimore, Md., B.A. Oakland University, 1970; M.A. The Johns Hopkins University, 1972. Psychology.
Facilitation of Language Acquisition: The Role of the Mother.
- ALFONSO PROCACCINI, of Kingston, N. J., B.A. Rider College, 1969; Middlebury College, 1970; M.A. The Johns Hopkins University, 1975. Romance Languages.
Francesco Jovine: The Quest for Realism.
- PHILIP FREDERICK REHBOCK, of Seattle Wash., A.B. Stanford University, 1965. History of Science.
Organisms in Space and Time : Edward Forbes (1815-1854) and New Directions for Early Victorian History.
- CHARLES THOMAS RETTER, of Philadelphia, Pa., B.S.E.E. Drexel University, 1968; M.S.E. Northeastern University, 1972. Electrical Engineering.
Bounds on Goppa Codes.
- STEPHEN CROCE RIGGIO, of Bethlehem, Pa., A.B. University of Detroit, 1965. Biology.
The Interaction of N-(p-Tolyl)-2-aminonaphthalene-6-sulfonate with Rabbit Skeletal Muscle Phosphofructokinase.
- PATRICIA LEE ROSENFELD, of New York, N. Y., B.A. Bryn Mawr College, 1970. Geography.
Development and Verification of a Schistosomiasis Transmission Model.
- WILLIAM DAVID RUBENSTEIN, of New York, N. Y., B.A. Swarthmore College, 1968; M.A. The Johns Hopkins University, 1969. History.
British Wealthholders in the 19th and 20th Centuries.
- WILLARD MONROE ST. JOHN 3RD, of Waco, Texas, B.A. William Marsh Rice University, 1969. Chemistry.
Low-Energy Electron Impact Spectroscopy of Organic Molecules: Development of a Crossed Beam Electron Spectrometer.
- RONALD SCHLEIFER, of New York, N. Y., A.B. Brandeis University, 1970; M.A. The Johns Hopkins University, 1973. English.
Forms of Intensity: A Study of Yeats's Middle Verse.
- JEANETTE ELAINE SCHNEIDER, of Pasadena, Calif., B.A. Immaculate Heart College, 1970. Biology.
Studies on 1, 2-cis Glycoside Synthesis.
- MARCIA FRANCES SCHWARTZ, of Little Neck, N. Y., A.B. Cornell University, 1969. Biology.
Alcohol Dehydrogenase in Drosophila Melanogaster: Structure of the Enzyme and Characterizations of Null Mutants.
- MARTIN SCHWARZ, JR., of Kansas City, Mo., B.S. Northwest Missouri State College, 1970. Biology.
Equilibrium and Nonequilibrium Statistical Mechanics of Biological Macromolecules.
- FARHAD SHAFI, of Tehran, Iran, B.A. The Johns Hopkins University, 1968. Biology.
Studies on the Properties and Pathways of Visual Response in the Cerebellum of the Frog: Rana Pipiens.
- FREYDOON SHAHIDI, of Tehran, Iran, Licentiate in Mech. Engr. Tehran University, 1969. Mathematics.
On Gauss Sums Attached to the Pairs and Exterior Powers of Representations of the General Linear Group over Finite and Local Fields.
- SHYAM SUNDER SHARMA, of Jaipur, India, B.S. University of Rajasthan, India, 1963; M.S., 1965. Mathematical Sciences.
On the Nature of Statistical Support.
- ROOSEVELT SHAW, of Baltimore, Md., B.S. Morgan State College, 1966; M.S., 1969; M.A. The Johns Hopkins University, 1972. Chemistry.
Ion-Pair Partitioning, Product Precursors, and Stereochemistry of Ion-Pair Capture in the Solvolysis of Substituted Benzhydryl Esters.
- DANIEL PETER SHEER, of Island Park, N. Y., B.A. The Johns Hopkins University, 1970. Geography.
Economic Sequencing of Public Works Facilities.

- JHI-MIN SHYR, of San Tung Province, China, B. S. National Tsing Hua University, 1970; M. A. The Johns Hopkins University, 1974. Mathematics.
Class Number Formula of Algebraic Tori with Applications to Relative Class Numbers of Certain Relative Quadratic Extensions of Algebraic Number Fields.
- THOMAS JEROME SIENKEWICZ, of Hoboken, N. J., B. A. College of the Holy Cross, 1971; M. A. The Johns Hopkins University, 1972. Classics.
Euripides' Trojan Women: An Interpretative Study Based on the Role of the Chorus and Ironic Development.
- RICHARD ALLMON SMITH, of Baltimore, Md., B. S. University of Richmond, 1967; M. S., 1969. Geography.
An Expression for Phytoplankton Specific Growth Rate as a Function of Light and Temperature and its Application in Models of Estuarine Water Quality.
- RONALD BAKER SMITH, of Webster, N. Y., B. A. E. Rensselaer Polytechnic Institute, 1966; M. S. E. Princeton University, 1969. Earth and Planetary Sciences.
The Study of Airflow Over a Ridge.
- DEBORAH HANSEN SOLES, of Wichita, Kans., B. A. George Washington University, 1969; M. A. The Johns Hopkins University, 1973. Philosophy.
Epistemological Accounts of Predication.
- RALPH MORGAN SOMERS, of Columbia, Md., B. E. E. and B. A. University of Delaware, 1965; M. E., E., 1967. Electrical Engineering.
Energy Relaxation by Microwave Time Domain Emission Spectroscopy in Ammonia.
- HARTLEY STEVEN SPATT, of Brooklyn, N. Y., A. B. Colgate University, 1970; M. A., The Johns Hopkins University, 1973. English.
William Morris: The Languages of History and Myth.
- MARK WILLIAM SPRINGGATE, of Champaign, Ill., M. A. The Johns Hopkins University, 1972. Chemistry.
Cooperative Processes in Biological Systems and Phase Transitions in Hardcore Lattice Gases.
- GARY DUANE STARK, of St. Paul, Minn., B. A. Hamline University, 1970; M. A. The Johns Hopkins University, 1972. History.
Entrepreneurs of Ideology: Neo-Conservative Publishers in Germany, 1890-1933.
- JEFFREY JOEL STERLING, of Verona, N. J., B. A. University of Pennsylvania, 1970. Chemistry.
The Chemistry of Organocopper Generated Enolates.
- JEFFREY BENTON STOCK, of Baltimore, Md., B. A. The Johns Hopkins University, 1967. Biology.
Sugar Transport in Enteric Bacteria.
- BYRON D. STONE, of Bowling Green, Ohio, B. A. Ohio Wesleyan University, 1969; M. S. University of Vermont, 1971. Geography.
The Quaternary Geology of the Plainfield and Jewett City Quadrangles, Central Eastern, Connecticut.
- STEPHEN ERIC STORMS, of Philadelphia, Pa., B. A. La Salle College, 1969; M. A. The Johns Hopkins University, 1972. Earth and Planetary Sciences.
Selective Feeding, Ingestion and Assimilation Rates, and Distribution of the Copepod Acartia in the Chesapeake Bay.
- FRIEDRICH AUGUSTE SULLIVAN, of Vienna, Austria, M. A. The Johns Hopkins University, 1973. Romance Languages.
Je jette le plus souvent la plume au vent: Montaigne and Interior Monologue.
- LARRY EDWARD SULLIVAN, of Chicago, Ill., B. A. De Paul University, 1966; M. A. The Johns Hopkins University, 1970. History.
The Burg of Sainte-Genevieve: Development of the University Quarter of Paris in the Thirteenth and Fourteenth Centuries.
- WILLIAM JAMES SULLIVAN, JR., of Sacramento, Calif., A. B. St. Peter's College, 1962; M. A. The Johns Hopkins University, 1963. German.
The Baroque Sermon and its Role in the Development of German Prose.
- HENRY STEPHEN SUSSMAN, of Philadelphia, Pa., A. B. Brandeis University, 1968. Humanities Center.
Franz Kafka: Geometrician of Metaphor.
- FRANK HERBERT SWAN III, of Barrington, R. I., B. A. Denison University, 1969. Geography.
Pleistocene and Holocene Deposits of the Lower Cache la Poudre River Basin, Colorado.
- PETER ZOLTAN TAKACS, of Columbia, Md., A. B. Rutgers University, 1969; M. A. The Johns Hopkins University, 1971. Physics.
Far Ultraviolet Atomic and Molecular Nitrogen Emissions in the Day Airglow.
- RONALD JAMES TALLEY, of Cincinnati, Ohio, A. B. University of Michigan, 1965. Political Economy.
The Relative Importance of Speculative and Precautionary Motives for Holding Money.
- MARJORIE ANN TIEFERT, of Dayton, Ohio, B. S. Marquette University, 1969. Biology.
Binding and Hydrolysis of Adenine Nucleotides by the Coupling Factor for Photophosphorylation.
- JAMES JEN-SHAN TING, of Shanghai, China, B. S. Taiwan Cheng Kung University, 1968; M. A. The Johns Hopkins University, 1971. Chemistry.
Some Reactions Using Organocopper and Organolithium Reagents.

- LING-LING TING, of Taipei, China, B. S. National Taiwan University, 1967; M. S., 1969. Mathematics.
Meromorphic Function Field of Pseudoconcave Neighborhood in Certain Algebraic Homogeneous Spaces.
- EMILY JANE FITZGIBBONS TOTH, of New Orleans, La., B. A. Swarthmore College, 1965; M. A. T. The Johns Hopkins University, 1966; M. A., 1973. Humanities Center.
That Outward Existence Which Conforms: *Kate Chopin and Literary Convention.*
- JOHANNES MAARTEN ULTEE, of Utrecht, The Netherlands, B. A. Reed College, 1969; M. A. The Johns Hopkins University, 1971. History.
St. Germain des Prés: A Social History.
- DAUN ROELL VAN EE, of Seattle, Wash., B. A. University of South Carolina, 1967; M. A. The Johns Hopkins University, 1971. History.
David Dudley Field and the Reconstruction of the Law.
- HERMAN C. VERWILST, of Gent, Belgium, Licentiate Economics Bijksuniversiteit, Belgium, 1970. Political Economy.
The Foreign Exchange Market with a Dual Exchange Rate Mechanism.
- EUGENIO EMILIO VOGEL, of Concepcion, Chile, Licenciado in Physics University of Concepcion, Chile, 1969; M. A. The Johns Hopkins University, 1972. Physics.
Ionic Systems: The Jahn-Teller Effect and Electric Multipole Interaction.
- PHILIP CRAIG WANNER, of Baltimore, Md., A. B. Loyola College, 1968; M. A. The Johns Hopkins University, 1970. Political Science.
Urban Civil Litigation: A Comparative Study of Three American Cities.
- KEITH BOLEN WARD, JR., of Wichita Falls, Texas, B. S. Agricultural and Mechanical College of Texas, 1965. Biophysics.
X-ray Structure Analysis of Human Deoxyhemoglobin A Crystals Grown from Polyethylene Glycol Solutions.
- WILLIAM WARREN WARD, of Athens, Ga., B. S. University of Florida, 1965; M. S., 1968. Biology.
Purification and Characterization of the Calcium-Activated Photoproteins from the Bioluminescent Ctenophores, Mnemiopsis sp. and Beroë ovata.
- GERALD DERMOT WEEKS, of Holbrook, Mass., B. S. Rensselaer Polytechnic Institute, 1965; M. A. The Johns Hopkins University, 1972. Psychology.
Alternative Telecommunication Modes for Conflictive and Cooperative Problem Solving.
- LINTON WELLS II, of Washington, D. C., B. S. United States Naval Academy, 1967; M. S. E. The Johns Hopkins University, 1973. International Studies.
The Sea and Japan's Strategic Interests 1975-1985.
- STANLEY LEWIS WINER, of Ottawa, Canada, B. A. Carleton University, Canada, 1971; M. A. The Johns Hopkins University, 1973. Political Economy.
Monetary-Fiscal Influences in Federal States: with Application to the Post-War Canadian Economy.
- BARRY CHARLES WISHNER, of Newark, N. J., B. S. Stevens Institute of Technology, 1967. Biophysics.
The Crystal Structure of Deoxy Sickle Cell Hemoglobin at 5 Å Resolution.
- DONALD THOMAS WOLFE, of Baltimore, Md., B. A. St. Ambrose College, 1959; M. A. Marquette University, 1965. Political Science.
Southern Strategy: Race, Region, and Republican Presidential Politics, 1964 and 1968.
- JOSEPH RAY WOODWORTH, of Albuquerque, N. M., B. S. Denison University, 1969; M. A. The Johns Hopkins University, 1971. Physics.
Determination of the Spontaneous Radiative Transition Rate of the $2^3S_1 - 1^1S_0$ Transition in Neutral Helium.
- CHARLES MORGAN WORMINGTON III, of El Cajon, Calif., B. A. University of California, Santa Barbara, 1967; M. A. The Johns Hopkins University, 1968. Biophysics.
Characteristics of the Light Regulated Na^+ Channel in Frog Rod Outer Segments.
- GARY ALAN YOSHIOKA, of Columbia, Md., B. S. Lafayette College, 1966. Geography.
A Simulation Study of Urban Albedo.
- HANNAH JOSEPHINE ZAWADZKA, of New York, N. Y. Political Science.
The USSR's Path to Global Power via the Soviet Bloc and the Third World.



THE JOHNS HOPKINS UNIVERSITY · BALTIMORE, MARYLAND 21218

OFFICE OF THE REGISTRAR

July 10, 1975

For those who use the Commencement Program as an official record of the awarding of degrees, please note the following changes to the 1975 Commencement Program:

ADDITIONS AND DELETIONS

1. Bachelor of Arts Degrees (Arts and Sciences)

Delete: Scott Campbell Dennis	John Lawrence Odell
Lawrence F. Howe	Lenard Ira Ouslander
Stanley David Janor	Deborah Ann Reff
Leslie Farrington Jones	Louis Allan Renbaum
George Martin Kripner	Leighton Jay Toney

2. Bachelor of Engineering Science Degrees (Arts and Sciences)

Delete: Kenneth Lee Streat

3. Associate of Science Degrees (The Evening College)

Delete: John William Manion, Jr.

4. Master of Science Degrees (The Evening College)

Add: Helen Zelda Broder, of Baltimore, Md., B.S. Fairleigh Dickinson College, 1955. Education.

Anna Mimms Coplin, of Baltimore, Md., B.S. Morgan State College, 1958. Education.

Jerome Frederick Mechler, of Millersville, Md., B.S. Tulane University, 1969. Electrical Engineering.

Delete: William Augustus Altman	LeDell Pearson
Margaret Ahrens Donnellon	James Patrick Robins
Herbert Allen Edelstein	Robert Bailey Solomon
Jennifer Ann Horton	

5. Master of Education Degrees (The Evening College)

Add: Jill Ohman Morris, of Baltimore, Md., B.A. Wheaton College, 1973.

Delete: Helen Zelda Broder	John Samuel Thiemeyer
John Tormollan Cosden, Jr.	Charles Ellsworth Wolfkill
Patricia Paige Foust	

6. Master of Liberal Arts Degrees (The Evening College)
- Delete: Margaret Whitlow Howard John William Snow
 Anne Webster Small Kurtz Kent Harrison Walker
7. Master of Administrative Science Degrees (The Evening College)
- Delete: Kenneth Alan Borig Kenneth Edward Johnson
8. Certificate of Advanced Study Degrees (The Evening College)
- Add: Garfield Mayo Bennett, of Baltimore, Md., B.S. Morgan State College, 1957;
 M.Ed. The Johns Hopkins University, 1971. Education.
9. Master of Public Health Degrees (The School of Hygiene and Public Health)
- Add: Johannes A. de Vries, of Maarsbergen, Holland, B.A. Utrecht State
 University, 1963; Doctor of Social Psychology, 1966.
- Delete: Margaret Joyce Relyea
10. Master of Arts Degrees (Arts and Sciences)
- Add: Gregoire de Kalbermatten, of Lausanne, Switzerland, Licencié En Droit
 University of Geneva, 1972. Political Science.
11. Honors (Baccalaureate Candidates in the Faculty of Arts and Sciences)
- Delete: Scott Campbell Dennis Deborah Ann Reff

CORRECTIONS

1. Master of Health Science Degrees (The School of Hygiene and Public Health)

The major of the following students should read Mental Hygiene.

Calvin C. Adams	David D. Celentano	James Michael Landis
Edwin Cullen Bowers	Thomas Karl Crook	Carol J. Sheehan
Adam K. Breckenridge	Robert Thomas Harris	Harris Edmund Taylor
William E. Bruzy	E. Paul Hoover	

2. Awards (In The Faculty of Arts and Sciences)

Paul A. McCoy Prize should read for the most distinguished Masters Essay in Political Science.

